

N° 549

paginas continens 113

compactura munitus m. augusto 1904

I

Tabule alphonsi illustris principis regis hispanie [illegible]

Tempus dominice incarnationis [illegible] 1439 completum usque ad diem nonum Junii est hec [illegible] 27 / 26 31 / 33 [illegible] 18

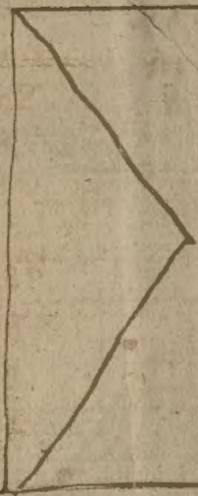
Nota tot habet dies quilibet mensis

Januarius	31
Februarius	28 et in bisextili 29
Marcius	31
Aprilis	30
Mayus	31
Junius	30
Julius	31
Augustus	31
September	30
October	31
November	30
December	31

74

1	2	3	4	5	6	7	8	9
2	4	6	8	10	12	14	16	18
3	6	9	12	15	18	21	24	27
4	8	12	16	20	2		32	36
5	10	15	20	25	30			
6								
7								
8								
9								

[illegible]



1	2	3	4	5	6	7	8	9
2	4	6	8	10	12	14	16	19
3	6	9	12	15	18	21	24	27
4	8	12	16	20	24	28	32	36
5	10	15	20	25	30	35	40	45
6	12	18	24	30	36	42	48	54
7	14	21	28	35	42	49	56	63
8	16	24	32	40	48	56	64	72
9	18	27	36	45	54	63	72	81

1422

Tabula motus augium

Anni	[illegible]	2	3	4	5	6	7
20	12	5	26	12	20	35	
10	6	2	43	6	10	17	30
8	4	50	10	28	56	14	
4	2	25	5	14	28	7	
2	1	12	32	37	14	3	30
1	0	36	16	18	37	1	45
Menses							
8	0	24	10	52	24	41	12
6	0	18	8	9	18	30	52
4	0	12	5	26	12	20	36
3	0	9	4	4	39	15	26
2	0	6	2	43	6	10	18
1	0	3	1	21	33	5	9
Dies							
17	0	1	50	40	46	32	34
8	0	0	51	20	23	16	17
4	0	0	22	40	[illegible]	38	8
1	0	0	5	40			
Hora							
1	0	0	0	15	20		
2	0	0	0	38	40		
4	0	0	1	[illegible]	20		
6	0	0	1	[illegible]	0		
8	0	0	2	[illegible]	40		

Tabula [illegible] motus argumenti veneris medius

1	2	3	
2	27	31	
3	52	32	36
4	22	34	4
5	49	35	31
6	16	36	58
7	44	37	26
8	11	38	53
9	39	39	21
10	6	40	48
11	33	41	
12	1	42	
13	28	43	
14	56	44	
15	23	45	
16	50	46	
17	18	47	
18	45	48	
19	13	49	
20	40	50	
21	7	51	
22	35	52	
23	50	53	
24	57	54	
25	24	55	
26	52	56	
27	19	57	
28	47	58	
29	14	59	
30	41	60	

Item p[ro]pt[er] q[uod] [illegible] correctus ad 1423 [illegible] completi
ad 26 dies Junii [illegible]
[illegible] maii [illegible] completus
addita 26 dies ad primum

[illegible] anno domini 1421 [illegible] 20 [illegible] septembris [illegible] 26 [illegible]
[illegible] ad 8. 21. 28 55 Et hec est addicio anni 1422
est [illegible] 11. 11. 39. 15.

Incipiunt tabule illustris regis Alphonsij Et primo tabula agarum regni adaliud atque nota regum omnium erarum consequentibus tabulis positarum

	Differentie regnorum	s	g	m	2a
1	d diluuij et regis Alphonsij	7	21	40	38
2	d nabuchodonosor et Alphonsij	3	22	44	25
3	d mortis Alexandri siue regis philippi et alphonsij	2	39	45	5
4	d Alexandri magni et alphonsij	2	38	32	44
5	d Cesaris et alphonsij	2	10	49	19
6	d Incarnationis et alphonsij	2	6	57	59
7	d dyocleciani et alphonsij	1	38	11	13
8	d Regis arabum et alphonsij	1	3	54	24
9	d yesdagert et alphonsij	1	2	54	0
10	d diluuij et nabuchodonosor	3	58	56	13
11	d diluuij et alexandri macedonum siue regis philippi	4	41	55	35
12	d diluuij et alexandri magni	4	43	7	54
13	d diluuij et ere cesaris	5	10	51	19
14	d diluuij et incarnationis christi	5	14	42	39
15	d diluuij et dyocleciani	5	43	29	55
16	d diluuij et ere arabum	6	17	46	14
17	d diluuij et ere persarum	6	18	46	38
18	d nabuchodonosor et mortis philippi primi alexandri	0	42	59	20
19	d nabuchodonosor et alexandri magni	0	44	11	39
20	d nabuchodonosor et ere cesaris	1	11	55	6
21	d nabuchodonosor et incarnationis christi	1	17	46	26
22	d nabuchodonosor et dyocleciani	1	44	33	12
23	d nabuchodonosor et ere arabum	2	18	50	1
24	d nabuchodonosor et yesdagert regis persarum	2	19	50	25
25	d mortis philippi alexandri primi	0	1	12	21
26	d mortis alexandri et cesaris	0	28	55	40
27	d mortis alexandri secundi philippi et incarnationis	0	33	47	6
28	d mortis philippi et dyocleciani	1	1	33	52
29	d mortis alexandri philippi et ere arabum	1	35	50	41
30	d mortis alexandri philippi et ere persarum	1	36	51	5
31	d alexandri magni et ere cesaris	0	37	43	25
32	d Alexandri magni et incarnationis christi	0	31	34	45
33	d Alexandri magni et dyocleciani	1	0	21	31
34	d Alexandri magni et ere arabum	1	34	38	29
35	d Alexandri magni et ere persarum	1	35	38	44
36	d Ere cesaris et incarnationis christi	0	3	51	20

Tabula mensium egiptiorum quibus utitur in annis diluuij et nabuchodonosor et philippi et super almagesti

	2	1
Tuth	0	30
Baba	1	0
Acto	1	30
Koyach	2	0
Tobi	2	30
Machir	3	0
Phemat	3	30
Pharmuth	4	0
Mamai	4	30
Abutar	5	0
Censaciat	5	30
Monlan	6	0

Residuum tabule dierum			4	3	2	1	Ter(mini) mensium persarum	2	1	mensium arabum	2	1
37	d	Inter cesarem et dyocletianum	0	32	38	6	Afurdulhir	0	30	mattaram	0	30
38	d	Inter cesarem et eram arabum	1	6	54	55	aldahut	1	0	safar	0	59
39	d	Inter cesarem et eram persarum	1	7	55	19	ardichint	1	30	rabe p(rimus)	1	29
ra 40	d	Incarnationis christi et dyocletianum	0	28	46	46	clamarut	2	0	rabe 2	1	58
41	d	Incarnationis christi et eram arabum	1	3	3	34	mardenut	2	30	iumet p(rimus)	2	28
42	d	Incarnationis christi et eram persarum	1	4	3	59	tachimot	3	0	iumet 2	2	57
r8 43	d	Dyocletiani et eram arabum	0	34	16	49	mathavut	3	30	ka firiab	3	27
44	d	Dyocletiani et eram persarum	0	35	17	13	alameth	4	0	schabena	3	56
r9 45	d	Inter arabum et eram persarum	0	1	0	24	advrimt	4	30	ramadan	4	26
							domoth	5	0	dawel	4	55
							bemonnit	5	30	dulkiada	5	25
							asfedamit	6	0	dulhegia	5	54

Tabula que addenda ob ceteris ...

Anni collecti in era alp(honsii) al(ias) cesaris et dyocle(tiani)						Anni expansi que(rendi) in addendo alpho(nsii) et arabum						Anni expansi que(rendi) loca et dyocle(tiani)						Anni expansi cere persarum				
Anni	4	3	2	1		Anni	3	2	1	60		Anni	3	2	1	60		Anni	3	2	1	60
40	0	4	3	30		1	0	6	7	15	b	1	0	6	7	30		1	0	6	7	45
60	0	6	5	15		2	0	12	10	30		2	0	12	10	45	b	2	0	12	11	0
80	0	8	7	0		3	0	18	15	45	b	3	0	18	16	0		3	0	18	16	15
100	0	10	8	45	b	4	0	24	21	0		4	0	24	21	15		4	0	24	21	30
200	0	20	17	30		5	0	30	26	15	b	5	0	30	26	30		5	0	30	26	45
300	0	30	26	15		6	0	36	31	30		6	0	36	31	45	b	6	0	36	32	0
400	0	40	35	0		7	0	42	36	45	b	7	0	42	37	0		7	0	42	37	15
500	0	50	43	45	b	8	0	48	42	0		8	0	48	42	15		8	0	48	42	30
600	1	0	52	30		9	0	54	47	15		9	0	54	47	30		9	0	54	47	45
700	1	11	1	15		10	1	0	52	30		10	1	0	52	45	b	10	1	0	53	0
800	1	21	10	0		11	1	6	57	45	b	11	1	6	58	0		11	1	6	58	15
900	1	31	18	45	b	12	1	13	3	0		12	1	13	3	15		12	1	13	3	30
1000	1	41	27	30		13	1	19	8	15		13	1	19	8	30		13	1	19	8	45
2000	3	22	55	0		14	1	25	13	30		14	1	25	13	45	b	14	1	25	14	0
3000	5	4	22	30		15	1	31	18	45	b	15	1	31	19	0		15	1	31	19	15
4000	6	45	50	0	b	16	1	37	24	0		16	1	37	24	15		16	1	37	24	30
5000	8	27	17	30		17	1	43	29	15		17	1	43	29	30		17	1	43	29	45
6000	10	8	45	0		18	1	49	34	30		18	1	49	34	45	b	18	1	49	35	0
7000	11	50	12	30		19	1	55	39	45	b	19	1	55	40	0		19	1	55	40	15
8000	13	31	40	0	b	20	2	1	45	0		20	2	1	45	15		20	2	1	45	30

Menses latinorum addendi alp(honsii) in motibus	2	1	Menses grecorum addendi secundum romanos et ceteros	2	1	Menses grecorum addendi ab octobri	2	1	Menses egiptiorum addendi dyocle(tiani) incipientes a septembre	2	1
Junius	0	30	Cip ia	0	31	tisrim p(rimus)	0	31	Tuth	0	30
Julius	1	1	bri fe	0	59	tisrim 2	1	1	baba	1	0
augustus	1	32	margmar	1	30	canun p(rimus)	1	32	hetur	1	30
septembris	2	2	apc ap	2	0	canun 2	2	3	heybet	2	0
octobris	2	33	phi ma	2	31	cavach	2	31	tova	2	30
novembris	3	3	inc iun	3	1	adar	3	4	amsir	3	0
decembris	3	34	iula iul	3	32	aygan	3	31	barmaet	3	30
januarius	4	5	pes aug	4	3	ydar	4	3	borcda	4	0
februarius	4	33	egessep	4	33	hazira	4	33	bixbnox	4	30
martius	5	4	vrg oc	5	4	tammuz	5	4	riba	5	0
aprilis	5	34	dp no	5	34	abteb	5	34	abibi	5	30
maius	6	5	des dc	6	5	cymlog	6	5	masfre	6	5

Tabula coniū mensiū anno bisextili

	2	1		2	1
Junius	0	30	Cap ia	0	31
Julius	1	1	bri fe	1	0
augustus	1	32	marz m	1	31
septeb	2	3	apr ap	2	1
october	2	33	phi ma	2	32
novemb	3	3	mr iun	3	2
decemb	3	34	iula iul	3	33
januarius	4	5	pes aug	4	4
februarius	4	33	cyr sep	4	34
marcius	5	4	veg oc	5	5
aprilis	5	34	opx no	5	35
mayus	6	6	des de	6	6
	2	1		2	1
Tisri p9	0	31	Tuch	0	30
tisri 29	1	1	baba	1	0
kanun p9	1	32	hatur	1	30
kanun 29	2	3	heybet	2	0
sabath	2	33	toca	2	30
adar	3	4	amshir	3	0
aygar	3	34	barmahat	3	30
ydar	4	6	boreda	4	0
hazuran	4	36	bipburo	4	30
tamuz	5	5	vuba	5	0
ab	5	36	abibi	5	30
cym beall	6	6	masseri	6	6

Anni expansi et collecti ad eram diluvij nabu pa phi allex atque persar

Anni	4	3	2	1
40	0	4	3	20
60	0	6	5	0
80	0	8	6	40
100	0	10	8	20
200	0	20	16	40
300	0	30	25	0
400	0	40	33	20
500	0	50	41	40
600	1	0	50	0
700	1	10	58	20
800	1	21	6	40
900	1	31	15	0
1000	1	41	23	20
2000	3	22	46	40
3000	5	4	10	0
4000	6	45	33	20
5000	8	26	56	40
6000	10	8	20	0
7000	11	49	43	20
8000	13	31	6	40

Anni	3	2	1	60e
1	0	6	5	0
2	0	12	10	0
3	0	18	15	0
4	0	24	20	0
5	0	30	25	0
6	0	36	30	0
7	0	42	35	0
8	0	48	40	0
9	0	54	45	0
10	1	0	50	0
11	1	6	55	0
12	1	13	0	0
13	1	19	5	0
14	1	25	10	0
15	1	31	15	0
16	1	37	20	0
17	1	43	25	0
18	1	49	30	0
19	1	55	35	0
20	2	1	40	0

Tabula ad inveniendum eram arabum

Anni arabum collecti	4	3	2	1			3	2	1	30e	Anni arabum expansi
30	0	2	57	11		1	0	5	54	11	
60	0	5	54	22	b	2	0	11	49	22	
90	0	8	51	33		3	0	17	43	3	
120	0	11	48	44		4	0	23	37	14	
150	0	14	45	55		5	0	29	32	25	
180	0	17	43	6	b	6	0	35	26	6	
210	0	20	40	17		7	0	41	21	17	
240	0	23	37	28		8	0	47	15	28	
270	0	26	34	39		9	0	53	9	9	
300	0	29	31	50	b	10	0	59	4	20	
330	0	32	29	1		11	1	4	50	1	
360	0	35	26	12		12	1	10	52	12	
390	0	38	23	23		13	1	16	47	13	
420	0	41	20	34	b	14	1	22	41	4	
450	0	44	17	45		15	1	28	35	15	
480	0	47	14	56		16	1	34	30	26	
510	0	50	12	7		17	1	40	24	7	
540	0	53	9	18	b	18	1	46	19	18	
570	0	56	6	29		19	1	52	13	29	
600	0	59	3	40		20	1	58	8	10	
630	1	2	0	51		21	2	4	2	21	
660	1	4	58	2	b	22	2	9	56	2	
690	1	7	55	13		23	2	15	50	13	
720	1	8	57	24		24	2	21	45	24	
750	1	13	49	35		25	2	27	39	5	
780	1	16	46	46	b	26	2	33	34	16	
810	1	19	43	57		27	2	39	28	27	
840	1	22	41	8		28	2	45	22	8	
870	1	25	38	19		29	2	51	17	19	
900	1	28	35	30	b	30	2	57	11	0	
+ 1800	2	57	11	0							
2700	4	25	46	30							
3600	5	54	22	0							
4500	7	22	57	30							
5400	8	51	33	0							
6300	10	20	8	30							
7200	11	48	44	0							
8100	13	17	19	30							

Anni arabum collecti in millenarios autem per 900 titulus prime tabule tm tanto

Tabula extractionis unius ere ab alia excerptis hic posita [illegible] per ta alp

Anni a[nn]os collectos alphon	Numerus dierum a[nn]os Christi per a[nn]os alphonsii				Numerus dierum a[nn]os Nabuchodonosor per a[nn]os alphon				Numerus dierum a[nn]os Philippi patris Alexandri per a[nn]os alphonsii				Numerus dierum a[nn]os Alexandri per a[nn]os alphonsii				Numerus dierum a[nn]os Cesaris per a[nn]os alphonsii			
~~Radices~~	4	3	2	1	4	3	2	1	4	3	2	1	4	3	2	1	4	3	2	1
Radices	7	21	40	38	3	22	44	25	2	39	45	5	2	38	32	44	2	10	49	19
20	7	23	42	53	3	24	46	10	2	41	46	50	2	40	34	29	2	12	51	4
40	7	25	44	8	3	26	47	55	2	43	48	35	2	42	36	14	2	14	52	49
60	7	27	45	53	3	28	49	40	2	45	50	20	2	44	37	59	2	16	54	34
80	7	29	47	38	3	30	51	25	2	47	52	5	2	46	39	44	2	18	56	19
100	7	31	49	23	3	32	53	10	2	49	53	50	2	48	41	29	2	20	58	4
120	7	33	51	8	3	34	54	55	2	51	55	35	2	50	43	14	2	22	59	49
140	7	35	52	53	3	36	56	40	2	53	57	20	2	52	44	59	2	25	1	34
160	7	37	54	38	3	38	58	25	2	55	59	5	2	54	46	44	2	27	3	19
180	7	39	56	23	3	41	0	10	2	58	0	50	2	56	48	29	2	29	5	4
200	7	41	58	8	3	43	1	55	3	0	2	35	2	58	50	14	2	31	6	49
220	7	43	59	53	3	45	3	40	3	2	4	20	3	0	51	59	2	33	8	34
240	7	46	1	38	3	47	5	25	3	4	6	5	3	2	53	44	2	35	10	19
260	7	48	3	23	3	49	7	10	3	6	7	50	3	4	55	29	2	37	12	4
280	7	50	5	8	3	51	8	55	3	8	9	35	3	6	57	14	2	39	13	49
300	7	52	6	53	3	53	10	40	3	10	11	20	3	8	58	59	2	41	15	34
320	7	54	8	38	3	55	12	25	3	12	13	5	3	11	0	44	2	43	17	19
340	7	56	10	23	3	57	14	10	3	14	14	50	3	11	2	29	2	45	19	4
360	7	58	12	8	3	59	15	55	3	16	16	35	3	15	4	14	2	47	20	49
380	8	0	13	53	4	1	17	40	3	18	18	20	3	17	5	59	2	49	22	34
400	8	2	15	38	4	3	18	25	3	20	20	5	3	19	7	44	2	51	24	19
420	8	4	17	23	4	5	21	10	3	22	21	50	3	21	9	29	2	53	26	4
440	8	6	19	8	4	7	22	55	3	24	23	35	3	23	11	14	2	55	27	49
460	8	8	20	53	4	9	24	40	3	26	25	20	3	25	12	59	2	57	29	34
480	8	10	22	38	4	11	26	25	3	28	27	5	3	27	14	44	2	59	31	19
500	8	12	24	23	4	13	28	10	3	30	28	50	3	29	16	29	3	1	33	4
520	8	14	26	8	4	15	29	55	3	32	30	35	3	31	18	14	3	3	34	49
540	8	16	27	53	4	17	31	40	3	34	32	20	3	33	19	59	3	5	36	34
560	8	18	29	38	4	19	33	25	3	36	34	5	3	35	21	44	3	7	38	19
580	8	20	31	23	4	21	35	10	3	38	35	50	3	37	23	29	3	9	40	4
600	8	22	33	8	4	23	36	55	3	40	37	35	3	39	25	14	3	11	41	49
620	8	24	34	53	4	25	38	40	3	42	39	20	3	41	26	59	3	13	43	34
640	8	26	36	38	4	27	40	25	3	44	41	5	3	43	28	44	3	15	45	19
660	8	28	38	23	4	29	42	10	3	46	42	50	3	45	30	29	3	17	47	4
680	8	30	40	8	4	31	43	55	3	48	44	35	3	47	32	14	3	19	48	49
700	8	32	41	53	4	33	45	40	3	50	46	20	3	49	33	59	3	21	50	34
720	8	34	43	38	4	35	47	25	3	52	48	5	3	51	35	44	3	23	52	19
740	8	36	45	23	4	37	49	10	3	54	49	50	3	53	37	29	3	25	54	4
760	8	38	47	8	4	39	50	55	3	56	51	35	3	55	39	14	3	27	56	49

Residuum tabule extractionis unius ere ex alia ex eris hic positis cuiuslibet que ere ex era alph

Anni annos collecti alp	Numerus dierum a annos incarnationis per annos alph				Numerus dierum a annos dyocleciani per annos alp				Numerus dierum a annos arabum per annos alp				Numerus dierum a annos persarum per annos alp				
	4	3	2	1	4	3	2	1	4	3	2	1	4	3	2	1	
Radix	2	6	57	59	1	38	11	13	1	3	54	24	1	2	54	0	
20	2	8	59	44	1	40	12	58	1	5	56	9	1	4	55	45	
40	2	11	1	29	1	42	14	43	1	7	57	54	1	6	57	30	
60	2	13	3	14	1	44	16	28	1	9	59	39	1	8	59	15	b
80	2	15	4	59	1	46	18	13	1	12	1	24	1	11	1	0	
100	2	17	6	44	1	48	19	58	1	14	3	9	1	13	2	45	
120	2	19	8	29	1	50	21	43	1	16	4	54	1	15	4	30	
140	2	21	10	14	1	52	23	28	1	18	6	39	1	17	6	15	b
160	2	23	11	59	1	54	25	13	1	20	8	24	1	19	8	0	
180	2	25	13	44	1	56	26	58	1	22	10	9	1	21	9	45	
200	2	27	15	29	1	58	28	43	1	24	11	54	1	23	11	30	
220	2	29	17	14	2	0	30	28	1	26	13	39	1	25	13	15	b
240	2	31	18	59	2	2	32	13	1	28	15	24	1	27	15	0	
260	2	33	20	44	2	4	33	58	1	30	17	9	1	29	16	45	
280	2	35	22	29	2	6	35	43	1	32	18	54	1	31	18	30	
300	2	37	24	14	2	8	37	28	1	34	20	39	1	33	20	15	b
320	2	39	25	59	2	10	39	13	1	36	22	24	1	35	22	0	
340	2	41	27	44	2	12	40	58	1	38	24	9	1	37	23	45	
360	2	43	29	22	2	14	42	43	1	40	25	54	1	39	25	30	
380	2	45	31	14	2	16	44	28	1	42	27	39	1	41	27	15	b
400	2	47	32	59	2	18	46	13	1	44	29	24	1	43	29	0	
420	2	49	34	44	2	20	47	58	1	46	31	9	1	45	30	45	
440	3	51	36	29	2	22	49	43	1	48	32	54	1	47	32	30	
460	3	53	38	14	2	24	51	28	1	50	34	39	1	49	34	15	
480	3	55	39	59	2	26	53	13	1	52	36	24	1	51	36	0	
500	3	57	41	44	2	28	54	58	1	54	38	9	1	53	37	45	
520	3	59	43	29	2	30	56	43	1	56	39	54	1	55	39	30	
540	3	1	45	14	2	32	58	28	1	58	41	39	1	57	41	15	
560	3	3	46	59	2	34	0	[illegible]	2	0	43	24	1	59	43	0	
580	3	5	48	44	2	37	1	58	2	2	45	9	2	1	44	45	
600	3	7	50	29	2	39	3	43	2	4	46	54	2	3	46	30	
620	3	9	52	14	2	41	5	28	2	6	48	39	2	5	48	15	
640	3	11	53	59	2	43	7	13	2	8	50	24	2	7	50	0	
660	3	13	55	44	2	45	[illegible]	58	2	10	52	9	2	9	51	45	
680	3	15	57	29	2	47	10	43	2	12	53	54	2	11	53	30	
700	3	17	59	14	2	49	12	28	2	14	55	39	2	13	55	15	
720	3	20	0	59	2	51	14	13	2	16	57	24	2	15	57	0	
740	3	22	2	44	2	53	15	58	2	18	59	9	2	17	58	45	
760	3	24	4	29	2	55	17	43	2	20	0	54	2	20	0	30	

Tabula extractionis annis expansis

annis	4	3	2	1
1	0	0	6	5
2	0	0	12	10
3	0	0	18	15
4	0	0	24	21
5	0	0	30	26
6	0	0	36	31
7	0	0	42	36
8	0	0	48	42
9	0	0	54	47
10	0	1	0	52
11	0	1	6	57
12	0	1	13	3
13	0	1	18	8
14	0	1	25	13
15	0	1	31	19
16	0	1	37	24
17	0	1	43	29
18	0	1	49	34
19	0	1	55	39
20	0	2	1	45

Tabula quantitatis horarum diei et dies

Hore	di	m	2
1	0	2	30
2	0	5	0
3	0	7	30
4	0	10	0
5	0	12	30
6	0	15	0
7	0	17	30
8	0	20	0
9	0	22	30
10	0	25	0
11	0	27	30
12	0	30	0
13	0	32	30
14	0	35	0
15	0	37	30
16	0	40	0
17	0	42	30
18	0	45	0
19	0	47	30
20	0	50	0
21	0	52	30
22	0	55	0
23	0	57	30
24	1	0	0

1 2 2 10 com

Tabula notarum litterarum					Tabula notarum litterarum dierum septimane				
Linea numeri	1	2	3	4	Lineae	1	2	3	4
1	1	4	2	1	31	3	5	6	3
2	2	1	4	2	32	4	2	1	4
3	3	5	6	3	33	5	6	3	5
4	4	2	1	4	34	6	3	5	6
5	5	6	3	5	35	7	7	7	7
6	6	3	5	6	36	1	4	2	1
7	7	7	7	7	37	2	1	4	2
8	1	4	2	1	38	3	5	6	3
9	2	1	4	2	39	4	2	1	4
10	3	5	6	3	40	5	6	3	5
11	4	2	1	4	41	6	3	5	6
12	5	6	3	5	42	7	4	7	7
13	6	3	5	6	43	1	4	2	1
14	7	7	7	7	44	2	1	4	2
15	1	4	2	1	45	3	5	6	3
16	2	1	4	2	46	4	2	1	4
17	3	5	6	3	47	5	6	3	5
18	4	2	1	4	48	6	3	5	6
19	5	6	3	5	49	7	7	7	7
20	6	3	5	6	50	1	4	2	1
21	7	7	7	7	51	2	1	4	2
22	1	4	2	1	52	3	5	6	3
23	2	1	4	2	53	4	2	1	4
24	3	5	6	3	54	5	6	3	5
25	4	2	1	4	55	6	3	5	6
26	5	6	3	5	56	7	7	7	7
27	6	3	5	6	57	1	4	2	1
28	7	7	7	7	58	2	1	4	2
29	1	4	2	1	59	3	5	6	3
30	2	1	4	2	60	4	2	1	4
31	3								

Tabula adequationis [illegible] dierum cum suis fractionibus							
Dies	gradus	minuta	2a	dies	minuta	2a	3a
1	0	2	30	31	1	17	30
2	0	5	0	32	1	20	0
3	0	7	30	33	1	22	30
4	0	10	0	34	1	25	0
5	0	12	30	35	1	27	30
6	0	15	0	36	1	30	0
7	0	17	30	37	1	32	30
8	0	20	0	38	1	35	0
9	0	22	30	39	1	37	30
10	0	25	0	40	1	40	0
11	0	27	30	41	1	42	30
12	0	30	0	42	1	45	0
13	0	32	30	43	1	47	30
14	0	35	0	44	1	50	0
15	0	37	30	45	1	52	30
16	0	40	0	46	1	55	0
17	0	42	30	47	1	57	30
18	0	45	0	48	2	0	0
19	0	47	30	49	2	2	30
20	0	50	0	50	2	5	0
21	0	52	30	51	2	7	30
22	0	55	0	52	2	10	0
23	0	57	30	53	2	12	30
24	1	0	0	54	2	15	0
25	1	2	30	55	2	17	30
26	1	5	0	56	2	20	0
27	1	7	30	57	2	22	30
28	1	10	0	58	2	25	0
29	1	12	30	59	2	27	30
30	1	15	0	60	2	30	0
mi	mi	2	3	mi	mi	2	3
2	2	3	4	2	2	3	4
3	3	4		3	3	4	
4	4			4	4		

Tabula dierum horarum cum suis fractionibus [illegible]					
Dies	hore	minuta	Dies	hore	minuta
1	0	24	31	12	24
2	0	48	32	12	48
3	1	12	33	13	12
4	1	36	34	13	36
5	2	0	35	14	0
6	2	24	36	14	24
7	2	48	37	14	48
8	3	12	38	15	12
9	3	36	39	15	36
10	4	0	40	16	0
11	4	24	41	16	24
12	4	48	42	16	48
13	5	12	43	17	12
14	5	36	44	17	36
15	6	0	45	18	0
16	6	24	46	18	24
17	6	48	47	18	48
18	7	12	48	19	12
19	7	36	49	19	36
20	8	0	50	20	0
21	8	24	51	20	24
22	8	48	52	20	48
23	9	12	53	21	12
24	9	36	54	21	36
25	10	0	55	22	0
26	10	24	56	22	24
27	10	48	57	22	48
28	11	12	58	23	12
29	11	36	59	23	36
30	12	0	60	24	0
mi	ho	mi	mi	ho	mi
2	mi	2	2	mi	2
3	2	3	3	2	3
4	3	4	4	3	

Tabula radicum notarum

Radix diluvii	5
Era nabuchodonosor	4
Era philippi	2
Era alexandri	2
Era cesaris	1
Era [illegible]	7
Era dyocletiani	[illegible]
Era arabum	[illegible]
Era persarum	3
Era alphonsi	7

Radices motuum hic positorum ad eras hic positas

Radices motus 8ve spere ad eras hic positas

	s	g	m	2
Diluvii	0	19	41	4
Et motus	3	2	57	12
Nabuchodonosor	5	20	48	0
et motus	0	5	40	27
Philippi	5	42	37	27
et motus	0	5	40	27
Alexandri	5	47	12	7
et motus	0	2	37	38
Cesaris	5	57	17	18
et motus	0	0	27	47
Incarnationis	5	59	12	34
et motus	0	0	7	27
Alhygera	0	31	10	26
et motus	0	4	58	42
Yesdagirt	0	31	41	3
et motus	0	4	42	47
Alphonsii	1	3	44	4
et motus	0	8	4	1

Tabula radicum medii motus solis ad eras hic positas Saturni veneris et mercurii

	s	g	m	2	3	4
Diluvii	5	1	33	32	58	49
Nabuchodonosor	5	27	48	42	21	9
Philippi	3	46	26	54	3	14
Alexandri	3	5	8	41	44	23
Cesaris	4	37	34	41	16	59
Incarnationis	4	38	21	0	30	28 54
Alhygera	1	59	52	2	0	50
Yesdagirt	1	26	50	59	44	0
Alphonsii	1	16	37	12	38	43

Tabula radicum argumenti latitudinis lune ad eras hic positas

	s	g	m	2	3	4
Diluvii	2	24	31	4	49	28
Nabuchodonosor	1	33	17	42	0	42
Alexandri	5	17	56	34	1	12
Cesaris	3	11	6	54	9	17
Incarnationis	3	34	42	42	57	39
Arabum	5	55	7	51	55	17
Yesdagirt	0	58	17	30	6	9
Alphonsii	2	32	4	7	3	0

Tabula radicum medii motus lune ad eras subscriptas

	s	g	m	2	3	4
Diluvii	4	47	49	43	52	3
Nabuchodonosor	0	24	56	43	14	53
Alexandri	2	4	21	1	0	38
Cesaris	1	54	25	20	23	57
Incarnationis	2	2	46	50	16	40 40
Alhygera	2	2	1	16	23	53
Yesdagirt	5	53	16	33	55	2
Alphonsii	5	36	57	21	11	44

Tabula radicum capitis draconis ad eras subscriptas

	s	g	m	2	3
Diluvii	3	35	55	21	17
Nabuchodonosor	0	46	44	59	5
Alexandri	3	11	49	33	20
Cesaris	1	11	55	34	5
Incarnationis	1	31	55	52	41
Alhygera	3	53	20	35	51
Yesdagirt	1	5	49	58	21
Alphonsii	2	56	12	46	12

Tabula radicum augium solis et veneris sine motu 8ve spere ad eras subscriptas

	s	g	m	2
Diluvii	0	48	37	0
Nabuchodonosor	1	5	56	1
Alexandri	1	9	8	4
Cesaris	1	11	6	6
Incarnationis	1	11	27	23
Alhygera	1	17	59	14
Yesdagirt	1	16	3	43
Alphonsii	1	20	36	0

Tabula radicum medii argumenti lune ad eras subscriptas

	s	g	m	2	3	4
Diluvii	3	42	54	4	37	44
Nabuchodonosor	4	13	3	19	59	42
Alexandri	4	27	47	30	18	24
Cesaris	4	46	57	51	30	2
Incarnationis	3	19	0	14	31	17
Alhygera	1	47	21	27	42	28
Yesdagirt	4	54	55	33	3	40
Alphonsii	4	10	51	40	9	0

Tabula radicum medie elongationis solis et lune ad eras hic positas et subscriptas

	s	g	m	2	3
Diluvii	5	46	26	10	53
Nabuchodonosor	0	58	58	13	54
Alexandri	4	59	12	39	14
Cesaris	5	16	50	39	7
Incarnationis	3	24	25	44	46
Alhygera	0	7	9	14	23
Yesdagirt	4	26	25	32	54
Alphonsii	4	19	29	18	33

Radices motuum hic positorum adeas hic positas

Tabula radicum saturni

		S	G	M	2	3
Diluvii	4	43	39	45	43
Nabuchodonosor	5	56	38	55	55
Allexandri	3	46	0	45	52
Cesaris	5	29	9	15	23
Incarnationis	1	14	5	20	12
Arabum	1	58	21	0	2
Persarum	3	59	44	31	49
Alphonsi	2	24	44	33	25

Tabula radicum augium mercurii

	S	G	M	2	3
Diluvii	5	58	59	31	14
Nabuchodonosor	0	20	29	14	51
Allexandri	0	19	56	26	54
Cesaris	2	4	22	14	6
Incarnationis	0	45	23	59	59
Arabum	1	13	26	14	32
Persarum	2	52	7	36	10
Alphonsi	3	33	46	[illegible]	56

Radices augium martis

	S	G	M	2	3
Diluvii	1	32	29	51	41
Nabuchodonosor	1	44	45	51	41
Allexandri	1	52	55	0	45
Cesaris	1	54	55	21	57
Incarnationis	1	55	12	13	4
Arabum	1	59	46	11	58
Persarum	1	59	50	34	34
Alphonsi	2	4	23	51	41

Tabula radicum Iovis

	S	G	M	2	3
Diluvii	5	21	2	3	59
Nabuchodonosor	3	4	42	54	59
Allexandri	1	30	19	7	57
Cesaris	1	46	49	6	9
Incarnationis	3	0	37	20	44
Arabum	5	31	43	9	52
Persarum	4	32	58	19	10
Alphonsi	2	16	16	51	17

Radices augium saturni sub motu 8e spere

	S	G	M	2	3
Diluvii	3	33	36	20	41
Nabuchodonosor	3	47	54	28	41
Allexandri	3	51	6	29	45
Cesaris	3	53	6	26	57
Incarnationis	3	53	23	45	4
Arabum	3	58	57	40	48
Persarum	3	58	2	5	24
Alphonsi	4	2	5	20	41

Radices augium mercurii sub motu 8e spere

	S	G	M	2	3
Diluvii	2	45	52	11	41
Nabuchodonosor	3	5	10	19	41
Allexandri	3	8	22	29	45
Cesaris	3	10	22	4	57
Incarnationis	3	10	39	33	4
Arabum	3	15	13	31	58
Persarum	3	15	17	54	24
Alphonsi	3	15	51	11	41

Tabula radicum martis

	S	G	M	2	3
Diluvii	4	55	58	20	22
Nabuchodonosor	0	53	2	11	59
Allexandri	3	41	45	53	26
Cesaris	5	27	21	44	31
Incarnationis	0	41	25	29	45
Arabum	3	32	43	3	32
Persarum	5	11	55	23	5
Alphonsi	2	1	51	36	19

Radices augium Iovis sub motu 8e spere

	S	G	M	2	3
Diluvii	2	10	38	41	44
Nabuchodonosor	2	28	46	41	7
Allexandri	2	31	41	45	19
Cesaris	2	37	14	57	20
Incarnationis	2	37	37	0	4
Arabum	2	38	58	58	10
Persarum	2	40	21	54	17
Alphonsi	2	42	38	41	48

Continetur novum

Tabula radicum augium veneris

	S	G	M	2	3
Diluvii	0	42	18	39	31
Nabuchodonosor	1	12	20	16	56
Allexandri	4	0	46	31	42
Cesaris	3	32	7	44	5
Incarnationis	2	9	22	2	35/56
Arabum	0	47	41	17	16
Persarum	2	1	56	28	13
Alphonsi	0	45	45	59	19

Tabula revolucionis mensium

Mensis	Dies	Ho	M	2	3	4	5
1	28	2	17	38	9	11	51
2	56	4	35	16	18	22	42
3	84	6	52	54	27	33	33
4	112	9	10	22	36	47	24
5	140	11	28	10	45	59	15
6	168	13	45	48	55	11	6
7	196	16	3	27	4	22	54
8	224	18	21	5	10	34	48
9	252	20	38	43	22	46	39
10	280	22	56	21	31	58	30
11	309	1	13	59	41	10	21
12	337	3	31	37	50	22	12
13	365	5	49	15	59	34	3

Item anno domini 1421 ex ascensionibus signorum quorum erat super orizonte [illegible] elevacionis polis 41
cum ascensione ascendens 130 gradus 40 a 32 12
Item anno domini 1439 ascensiones vero super 262 g 48 m 20

Tabula revolutionis annorum ascendentis — Tabula revolutionis annorum in diebus et fractionibus

numerus annorum expansorum collectorum

Anni	g	m	2		Anni	ho	mi	2	3
1	87	19	6	6 ho	1	5	49	16	16
2	174	38	12	12 ho	2	11	38	32	32
3	261	57	18	18 ho	3	17	27	48	48
4	349	16	24		4	23	17	5	4
5	76	35	30		5	5	6	19	20
6	163	54	36		6	10	55	34	36
7	251	13	42		7	16	44	50	52
8	338	32	48		8	22	34	6	8
9	65	51	54		9	4	23	22	24
10	153	11	0		10	10	12	37	40
11	240	30	6		11	16	1	53	56
12	327	49	12		12	21	51	9	12
13	55	8	18		13	3	40	24	28
14	142	27	24		14	9	29	40	44
15	229	46	30		15	15	19	56	0
16	316	5	36		16	21	8	12	16
17	44	24	42		17	2	57	27	32
18	131	43	48		18	8	46	43	48
19	219	2	54		19	14	35	59	4
20	306	22	0		20	20	25	15	20
40	252	44	0		40	16	50	31	40
60	199	6	0		60	13	16	47	0
80	145	28	0		80	9	41	58	20
100	91	50	0		100	6	7	14	40
200	183	40	0		200	12	13	28	20
300	275	30	0		300	18	20	39	0
400	7	20	0		400	0	26	51	40
500	99	10	0		500	6	33	17	20
600	191	0	0		600	12	40	17	0
700	282	50	0		700	18	46	59	40
800	14	40	0		800	0	53	23	[illegible]

Tabula sinuum rectorum [illegible] cum artificiali [illegible]

Equaciones numeri	s	g	m	Equaciones numeri	s	g	m	Equaciones numeri	s	g	m
1	0	9	25	31	4	37	17	61	7	52	49
2	0	18	49	32	4	45	18	62	7	57	49
3	0	28	11	33	4	53	14	63	8	0	41
4	0	37	32	34	5	1	5	64	8	4	56
5	0	46	55	35	5	8	51	65	8	9	2
6	0	56	17	36	5	16	30	66	8	13	58
7	1	5	33	37	5	24	4	67	8	16	47
8	1	14	48	38	5	31	33	68	8	20	23
9	1	24	4	39	5	38	57	69	8	23	52
10	1	33	20	40	5	46	16	70	8	27	12
11	1	42	34	41	5	53	25	71	8	30	23
12	1	51	46	42	6	0	29	72	8	33	24
13	2	0	57	43	6	7	26	73	8	36	14
14	2	10	6	44	6	14	17	74	8	38	56
15	2	19	13	45	6	21	2	75	8	41	28
16	2	28	17	46	6	27	40	76	8	43	50
17	2	37	16	47	6	34	10	77	8	46	2
18	2	46	11	48	6	40	33	78	8	48	5
19	2	55	2	49	6	46	49	79	8	49	59
20	3	3	49	50	6	52	58	80	8	51	44
21	3	12	47	51	6	59	0	81	8	53	19
22	3	21	36	52	7	4	53	82	8	54	41
23	3	30	20	53	7	10	38	83	8	55	55
24	3	38	57	54	7	16	15	84	8	57	0
25	3	47	27	55	7	21	44	85	8	57	55
26	3	55	55	56	7	27	7	86	8	58	44
27	4	4	14	57	7	32	21	87	8	59	17
28	4	12	38	58	7	37	27	88	8	59	40
29	4	20	55	59	7	42	33	89	8	59	55
30	4	29	10	60	7	47	40	90	9	0	0

Item [illegible] polis et altitudo anno domini 1421 [illegible]
dies 40 [illegible] 2 [illegible]
Item [illegible] polis et prima [illegible] anno domini 1434 [illegible]
[illegible] 37 [illegible]

Radix motus accessus et recessus 8ᵉ anni 5 59 12 33 58 10 30 40

Tabula annorum motus accessus et recessus 8ᵉ anni

	1	2	3	4						1	2	3	4	5			0
1	0	0	0	0	30	24	49	0	31	0	0	0	15	42	49	19	0
2	0	0	0	1	0	49	38	0	32	0	0	0	16	13	14	8	0
3	0	0	0	1	31	14	27	0	33	0	0	0	16	43	38	57	0
4	0	0	0	2	1	39	16	0	34	0	0	0	11	14	3	46	0
5	0	0	0	2	32	4	5	0	35	0	0	0	17	44	28	35	0
6	0	0	0	3	2	38	54	0	36	0	0	0	18	14	53	24	0
7	0	0	0	3	32	53	43	0	37	0	0	0	18	45	18	13	0
8	0	0	0	4	3	18	32	0	38	0	0	0	19	15	43	2	0
9	0	0	0	4	33	43	21	0	39	0	0	0	19	46	7	51	0
10	0	0	0	5	4	8	10	0	40	0	0	0	20	16	32	40	0
11	0	0	0	5	34	32	59	0	41	0	0	0	20	46	57	29	0
12	0	0	0	6	4	57	48	0	42	0	0	0	21	17	22	18	0
13	0	0	0	6	35	22	37	0	43	0	0	0	21	41	47	7	0
14	0	0	0	7	5	47	26	0	44	0	0	0	22	18	11	56	0
15	0	0	0	7	36	12	15	0	45	0	0	0	22	48	36	45	0
16	0	0	0	8	6	38	4	0	46	0	0	0	23	19	1	34	0
17	0	0	0	8	37	8	53	0	47	0	0	0	23	49	26	23	0
18	0	0	0	9	7	26	42	0	48	0	0	0	24	19	51	12	0
19	0	0	0	9	37	51	31	0	49	0	0	0	24	50	16	1	0
20	0	0	0	10	8	16	20	0	50	0	0	0	25	20	40	50	0
21	0	0	0	10	38	41	9	0	51	0	0	0	25	51	5	39	0
22	0	0	0	11	9	5	58	0	52	0	0	0	26	21	30	28	0
23	0	0	0	11	39	30	47	0	53	0	0	0	26	51	55	17	0
24	0	0	0	12	9	55	36	0	54	0	0	0	27	22	20	6	0
25	0	0	0	12	40	20	25	0	55	0	0	0	27	52	44	55	0
26	0	0	0	13	10	44	14	0	56	0	0	0	28	23	9	44	0
27	0	0	0	13	41	10	3	0	57	0	0	0	28	53	34	33	0
28	0	0	0	14	11	34	52	0	58	0	0	0	29	23	59	22	0
29	0	0	0	14	41	59	41	0	59	0	0	0	29	54	24	11	0
30	0	0	0	15	12	24	30	0	60	0	0	0	30	24	49	0	0

[illegible]

Tabula equationis motus augium et stellarum fixarum

	1	2	3	4	5									1	2	3	4	5	6	7	
1	0	0	0	0	4	20	41	17	12	26	30	3	31	0	0	0	14	41	19	52	38
2	0	0	0	0	8	41	22	34	24	53	0	2	32	0	0	0	19	2	1	10	50
3	0	0	0	0	13	2	3	51	37	20	30	2	33	0	0	0	23	22	42	27	3
4	0	0	0	0	17	22	45	8	49	46	0	2	34	0	0	0	27	43	23	35	15
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6	0	0	0	0	26	4	7	43	14	40	0	2	36	0	0	0	36	24	46	19	40
7	0	0	0	0	30	24	49	0	37	6	30	2	37	0	0	0	40	45	27	16	52
8	0	0	0	0	34	45	30	17	39	33	0	2	38	0	0	0	45	6	8	53	18
9	0	0	0	0	39	6	11	34	51	59	30	2	39	0	0	0	49	25	50	11	17
10	0	0	0	0	43	26	52	52	4	26	0	2	40	0	0	0	53	47	31	28	30
11	0	0	0	0	47	47	34	9	16	53	30	2	41	0	0	0	58	8	12	45	32
12	0	0	0	0	52	8	15	26	29	19	0	3	42	0	0	0	2	28	54	2	55
13	0	0	0	0	56	28	56	43	41	46	30	3	43	0	0	0	6	49	35	19	7
14	0	0	0	1	0	49	38	0	54	13	0	3	44	0	0	0	11	10	16	37	19
15	0	0	0	1	5	10	19	18	6	39	30	3	45	0	0	0	15	30	27	54	39
16	0	0	0	1	9	31	0	35	19	6	0	3	46	0	0	0	19	51	39	11	44
17	0	0	0	1	13	51	41	52	31	32	30	3	47	0	0	0	24	12	20	28	57
18	0	0	0	1	18	12	23	9	43	59	0	3	48	0	0	0	28	33	1	45	9
19	0	0	0	1	22	33	4	26	56	36	30	3	49	0	0	0	32	53	43	30	22
20	0	0	0	1	26	53	45	44	8	22	0	3	50	0	0	0	37	14	24	30	34
21	0	0	0	1	31	14	27	1	21	19	30	3	51	0	0	0	41	35	5	27	47
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23	0	0	0	1	39	55	49	35	46	12	30	3	53	0	0	0	50	16	28	11	11
24	0	0	0	1	44	16	30	52	58	39	0	3	54	0	0	0	54	37	9	29	24
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27	0	0	0	1	57	18	34	44	35	59	30	4	57	0	0	0	7	39	13	20	11
28	0	0	0	2	1	39	16	1	44	27	0	4	58	0	0	0	11	59	54	38	14
29	0	0	0	2	5	59	57	19	0	52	30	4	59	0	0	0	16	20	35	55	26
30	0	0	0	2	10	20	38	36	13	18	0	4	60	0	0	0	20	41	17	12	26

Radix medii motus solis ad annos Christi reducta 4 38 17 27 36 50 15 34

Tabula annorum medii motus solis

	1	2	3	4
1	0	0	59	8
2	0	1	58	16
3	0	2	57	24
4	0	3	56	33
5	0	4	55	41
6	0	5	54	49
7	0	6	53	58
8	0	7	53	6
9	0	8	52	14
10	0	9	51	23
11	0	10	50	31
12	0	11	49	39
13	0	12	48	48
14	0	13	47	56
15	0	14	47	4
16	0	15	46	13
17	0	16	45	21
18	0	17	44	29
19	0	18	43	38
20	0	19	42	46
21	0	20	41	54
22	0	21	41	3
23	0	22	40	11
24	0	23	39	19
25	0	24	38	28
26	0	25	37	36
27	0	26	36	44
28	0	27	35	53
29	0	28	35	1
30	0	29	34	9

19	3	19	13	56
39	4	38	27	52
15	5	17	41	48
18	29	16	55	47
58	6	36	9	41
51	43	57	23	37
1	7	21	43	74
36	58	33	51	30
56	35	55	5	26
16	13	13	19	22
3	58	31	23	18
55	27	50	47	17
13	5	10	1	11
34	42	29	17	4
54	19	48	29	0
13	57	7	45	19
3	24	26	56	16
3	11	40	10	52
17	49	5	24	48
32	26	24	38	47
12	3	43	52	41
11	41	3	6	37
31	18	22	20	33
50	55	41	34	29
10	33	0	48	26
30	10	20	2	22
49	47	39	16	18
9	24	58	30	14
29	2	17	44	11
48	39	36	58	7

	1	2	3	4
31	0	30	33	18
32	0	31	32	26
33	0	32	31	34
34	0	33	30	43
35	0	34	29	51
36	0	35	28	59
37	0	36	28	8
38	0	37	27	17
39	0	38	26	24
40	0	39	25	33
41	0	40	24	41
42	0	41	23	49
43	0	42	22	58
44	0	43	22	6
45	0	44	21	14
46	0	45	20	23
47	0	46	19	31
48	0	47	18	39
49	0	48	17	48
50	0	49	16	56
51	0	50	16	4
52	0	51	15	13
53	0	52	14	21
54	0	53	13	29
55	0	54	12	37
56	0	55	11	46
57	0	56	10	54
58	0	57	10	2
59	0	58	9	11
60	0	59	8	19

8	16	56	15	3
27	54	17	50	
47	31	34	39	56
7	8	55	35	52
26	46	13	7	48
40	23	32	21	44
6	0	51	35	40
25	38	10	49	36
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24	30	8	31	25
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23	22	6	13	14
42	59	25	27	10
2	35	44	41	6
22	14	3	55	3
41	51	23	8	59
1	28	42	22	55
21	6	1	36	51
40	43	20	20	47
0	20	40	4	44
19	57	59	18	40
39	35	18	32	36
59	12	17	46	32
18	49	57	0	29
38	27	16	14	25
58	4	35	28	21
17	41	54	42	17
37	19	13	56	13

Radices [illegible]

Pragensis	4 38 17 58 9 44 29 56
Parisiensis	4 38 14 2 9 49
Vienn.	4 38 17 40
Erford	4 18 14 22 50
Cracov.	4 38 17 27 36 51
Tolletan	4 38 17 33 31
[illegible]	4 38 18 32 39 40 0
[illegible]	4 38 17 33 39

Radix medii motus lune ad Crac. reducta: 1 59 24 16 36 9 20

Tabula gtmes medii motus ~~aug~~ lune

	1	2	3	4								1	2	3	4					
1	0	13	10	35	1	15	11	4	35	31	6	48	28	5	38	50	43	22	5
2	0	26	21	10	2	30	22	9	10	32	7	1	38	40	40	5	54	26	40
3	0	39	31	45	3	45	33	13	45	33	7	14	49	15	41	21	5	31	15
4	0	52	42	20	5	0	44	18	20	34	7	27	59	50	42	36	16	35	50
5	1	5	52	55	6	15	55	22	55	35	7	41	10	25	43	51	27	40	25
6	1	19	3	30	7	31	6	27	30	36	7	54	21	0	45	6	38	45	0
7	1	32	14	5	8	46	17	32	5	37	8	7	31	35	46	21	49	49	35
8	1	45	24	40	10	1	28	36	40	38	8	20	42	10	47	37	0	54	10
9	1	58	35	15	11	16	39	41	15	39	8	33	52	45	48	52	11	58	45
10	2	11	45	50	12	31	50	45	50	40	8	47	3	20	50	7	23	3	20
11	2	24	56	25	13	47	1	50	25	41	9	0	13	55	51	22	34	7	55
12	2	38	7	0	15	2	12	55	0	42	9	13	24	30	52	37	45	12	30
13	2	51	17	35	16	17	23	59	35	43	9	26	35	5	53	52	56	17	5
14	3	4	28	10	17	32	35	4	10	44	9	39	45	40	55	8	7	21	40
15	3	17	38	45	18	47	46	8	45	45	9	52	56	15	56	23	18	26	15
16	3	30	49	20	20	2	57	13	20	46	10	6	6	50	57	38	29	30	50
17	3	43	59	55	21	18	8	17	55	47	10	19	17	25	58	53	40	35	25
18	3	57	10	30	22	33	19	22	30	48	10	32	28	0	0	8	51	40	0
19	4	10	21	5	23	48	30	27	5	49	10	45	38	35	1	24	2	44	35
20	4	23	31	40	25	3	41	31	40	50	10	58	49	10	2	39	13	49	10
21	4	36	42	15	26	18	52	36	15	51	11	11	59	45	3	54	24	53	45
22	4	49	52	50	27	34	3	40	50	52	11	25	10	20	5	9	35	58	20
23	5	3	3	25	28	49	14	45	25	53	11	38	20	55	6	24	47	2	55
24	5	16	14	0	30	4	25	50	0	54	11	51	31	30	7	39	58	7	30
25	5	29	24	35	31	19	36	54	35	55	12	4	42	5	8	55	9	12	5
26	5	42	35	10	32	34	47	59	10	56	12	17	52	40	10	10	20	16	40
27	5	55	45	45	33	49	59	3	45	57	12	31	3	15	11	25	31	21	15
28	6	8	56	20	35	5	10	8	20	58	12	44	13	50	12	40	42	25	50
29	6	22	6	55	36	20	21	12	55	59	12	57	24	25	13	55	53	30	25
30	6	35	17	30	37	35	32	17	30	60	13	10	35	1	15	11	4	35	0

9	9	9	2	3
2	9	2	3
3	2	3	
4	3		

9	1	2	3
2	9	2	3
3	2	3	
4	3		

Radices locorum

Pragensis	2	2	6	12	38	41	8	11
Parisiensis	2	2	20	29	6	38		
Erfurd	2	2	1	4	5			
Rome	2	2	2	58	29	51		
Venetie	2	1	59	29	10	36		
Wratislavie	2	2	58	31	28			
Magdeburg	2	2	13	53	49	8		
Normac	2	2	13	49	42			

Radix medii motus argumenti lune ad [illegible] 3 18 13 20 13 26 9
12 29 1 58 44

Tabula diurnes [?] medii motus argumenti lune

	s	g	m	2a							s	g	m	2a					
1	0	13	3	53	57	30	21	4	13	31	6	45	0	52	42	40	53	10	43
2	0	26	7	47	55	0	42	8	26	32	6	58	4	46	40	11	14	14	56
3	0	39	11	41	52	31	3	12	39	33	7	11	8	40	37	41	35	19	9
4	0	52	15	35	50	1	24	16	52	34	7	24	12	34	35	11	56	23	22
5	1	5	19	29	47	31	45	21	5	35	7	37	16	28	32	42	17	27	35
6	1	18	23	23	45	2	6	25	18	36	7	50	20	22	30	12	38	31	48
7	1	31	27	17	42	32	27	29	31	37	8	3	24	16	27	42	59	36	1
8	1	44	31	11	40	2	48	33	44	38	8	16	28	10	25	13	20	40	14
9	1	57	35	5	37	33	9	37	57	39	8	29	32	4	22	43	41	44	27
10	2	10	38	59	35	3	30	42	10	40	8	42	35	58	20	14	2	48	40
11	2	23	42	53	32	33	51	46	23	41	8	55	39	52	17	44	23	52	53
12	2	36	46	47	30	4	12	50	36	42	9	8	43	46	15	14	44	57	6
13	2	49	50	41	27	34	33	54	49	43	9	21	47	40	12	45	6	1	19
14	3	2	54	35	25	4	54	59	2	44	9	34	51	34	10	15	27	5	32
15	3	15	58	29	22	35	16	3	15	45	9	47	55	28	7	45	48	9	45
16	3	29	2	23	20	5	37	7	28	46	10	0	59	22	5	16	9	13	58
17	3	42	6	17	17	35	58	11	41	47	10	14	3	16	2	46	30	18	11
18	3	55	10	11	15	6	19	15	54	48	10	27	7	10	0	16	51	22	24
19	4	8	14	5	12	36	40	20	7	49	10	40	11	3	57	47	12	26	37
20	4	21	17	59	10	7	1	24	20	50	10	53	14	57	55	17	33	30	50
21	4	34	21	53	7	37	22	28	33	51	11	6	18	51	52	47	54	35	3
22	4	47	25	47	5	7	43	32	46	52	11	19	22	45	50	18	15	39	16
23	5	0	29	41	2	38	4	36	59	53	11	32	26	39	47	48	36	43	29
24	5	13	33	35	0	8	25	41	12	54	11	45	30	33	45	18	57	47	42
25	5	26	37	28	57	38	46	45	25	55	11	58	34	27	42	49	18	51	55
26	5	39	41	22	55	9	7	49	38	56	12	11	38	21	40	19	39	56	8
27	5	52	45	16	52	39	28	53	51	57	12	24	42	15	37	50	1	0	21
28	6	5	49	10	50	9	49	58	4	58	12	37	46	9	35	20	22	4	34
29	6	18	53	4	47	40	11	2	17	59	12	50	50	3	32	50	43	8	47
30	6	31	56	58	45	10	32	6	30	60	13	3	53	57	30	21	4	13	0

Ho	g	m	2	3
1				
2				
3				
4				

1	g	m	2	3
2				
3				
4				

In diversis [?] civitatibus [?]

Parisius	3	18	19	57	29	54	41	25
Pisis [?]	3	18	31	6	43	22		
Toleti [?]	3	18	27	24	8			
[illegible]	3	18	17	41	31	25		
[illegible]	3	18	13	12	24	3		
Venetiis [?]	3	18	33	54	12	24		
Narbone [?]	3	18	27	34	48	10		
Montispessulani [?]	3	19	37	25	7	25		

Radix quot motus [illegible] 3 33 54 [illegible] 17 37 45

Tabula [illegible] motus argumenti latitudinis medio lune

	1	2	3	4					
1	0	13	13	45	39	22	25	53	45
2	0	26	27	31	18	44	51	47	30
3	0	39	41	16	58	7	17	41	15
4	0	52	55	2	37	29	43	35	0
5	1	6	8	48	16	52	9	28	45
6	1	19	22	33	56	14	35	22	30
7	1	32	36	19	35	37	1	16	15
8	1	45	50	5	14	59	27	10	0
9	1	59	3	50	54	21	53	3	45
10	2	12	17	36	33	44	18	57	30
11	2	25	31	22	13	6	44	51	15
12	2	38	45	7	52	29	10	45	0
13	2	51	58	53	31	51	36	38	45
14	3	5	12	39	11	14	2	32	30
15	3	18	26	24	50	36	28	26	15
16	3	31	40	10	29	58	54	20	0
17	3	44	53	56	9	21	20	13	45
18	3	58	7	41	48	43	46	7	30
19	4	11	21	27	28	6	12	1	15
20	4	24	35	13	7	28	37	55	0
21	4	37	48	58	46	51	3	48	45
22	4	51	2	44	26	13	29	42	30
23	5	4	16	30	5	35	55	36	15
24	5	17	30	15	44	58	21	30	0
25	5	30	44	1	24	20	47	23	45
26	5	43	57	47	3	43	13	17	30
27	5	57	11	32	43	5	39	11	15
28	6	10	25	18	22	28	5	5	0
29	6	23	39	4	1	50	30	58	45
30	6	36	52	49	41	12	56	52	30

	1	2	3	4					
31	6	50	6	35	20	35	22	46	15
32	7	3	20	20	59	57	48	40	0
33	7	16	34	6	39	20	14	33	45
34	7	29	47	52	18	42	40	27	30
35	7	43	1	37	58	5	6	21	15
36	7	56	15	23	37	27	32	15	0
37	8	9	29	9	16	49	58	8	45
38	8	22	42	54	56	12	24	2	30
39	8	35	56	40	35	34	49	56	15
40	8	49	10	26	14	57	15	50	0
41	9	2	24	11	54	19	41	43	45
42	9	15	37	57	33	42	7	37	30
43	9	28	51	43	13	4	33	31	15
44	9	42	5	28	52	26	59	25	0
45	9	55	19	14	31	49	25	18	45
46	10	8	33	0	11	11	51	12	30
47	10	21	46	45	50	34	17	6	15
48	10	35	0	31	29	56	43	0	0
49	10	48	14	17	9	19	8	53	45
50	11	1	28	2	48	41	34	47	30
51	11	14	41	48	28	4	0	41	15
52	11	27	55	34	7	26	26	35	0
53	11	41	9	19	46	48	52	28	45
54	11	54	23	5	26	11	18	22	30
55	12	7	36	51	5	33	44	16	15
56	12	20	50	36	44	56	10	10	0
57	12	34	4	22	24	18	36	3	45
58	12	47	18	8	3	41	1	57	30
59	13	0	31	53	43	3	27	51	15
60	13	13	45	39	22	25	53	45	0

Radices has [illegible]

pragen	3	34	1	55	30	53	35	50
parisiensis	3	34	2	15	7	[illegible]		
Erfordie	3	34	7	24	19	0		
wien	3	33	58	37				
Crac	3	33	55	5	25	10		
[illegible]	3	33	54	12	[illegible]			
[illegible]	3	34	4	54	11	10	0	
[illegible]	3	33	55	38	14			

Radix 44 1 31 55 42 0 13 [illegible] (above: 14 42 4 5 25)

Tabula motus medii motus capitis draconis

	1	2	3	4							1	2	3	4					
1	0	0	3	10	38	7	14	44	10	31	0	1	38	29	41	44	39	24	10
2	0	0	6	21	16	14	29	38	20	32	0	1	41	40	19	51	54	13	20
3	0	0	9	31	54	21	44	24	30	33	0	1	44	50	57	59	9	2	30
4	0	0	12	42	32	28	59	16	40	34	0	1	48	1	36	6	23	51	40
5	0	0	15	53	10	36	14	5	50	35	0	1	51	12	14	13	38	40	50
6	0	0	19	3	48	43	28	55	0	36	0	1	54	22	52	20	53	30	0
7	0	0	22	14	26	50	43	44	10	37	0	1	57	33	30	28	8	19	10
8	0	0	25	25	4	57	58	33	20	38	0	2	0	44	8	35	23	8	20
9	0	0	28	35	43	5	13	22	30	39	0	2	3	54	46	42	37	57	30
10	0	0	31	46	21	12	28	11	40	40	0	2	7	5	24	49	52	46	40
11	0	0	34	56	59	19	43	0	50	41	0	2	10	16	2	57	7	35	50
12	0	0	38	7	37	26	57	45	0	42	0	2	13	26	41	4	22	25	0
13	0	0	41	18	15	34	12	39	10	43	0	2	16	37	19	11	37	14	10
14	0	0	44	28	53	41	27	28	20	44	0	2	19	47	57	18	52	3	20
15	0	0	47	39	31	48	42	17	30	45	0	2	22	58	35	26	6	52	30
16	0	0	50	50	9	55	57	6	40	46	0	2	26	9	13	33	21	41	40
17	0	0	54	0	48	3	11	55	50	47	0	2	29	19	51	40	36	30	50
18	0	0	57	11	26	10	26	45	0	48	0	2	32	30	29	47	51	20	0
19	0	1	0	22	4	17	41	34	10	49	0	2	35	41	7	55	6	9	10
20	0	1	3	32	42	24	56	23	20	50	0	2	38	51	46	2	20	58	20
21	0	1	6	43	20	32	11	12	30	51	0	2	42	2	24	9	35	47	30
22	0	1	9	53	58	39	26	1	40	52	0	2	45	12	2	16	50	36	40
23	0	1	13	4	36	46	40	50	50	53	0	2	48	23	40	24	5	25	50
24	0	1	16	15	14	53	55	40	0	54	0	2	51	34	18	31	20	14	0
25	0	1	19	25	53	1	10	29	10	55	0	2	54	44	56	38	35	4	10
26	0	1	22	36	31	8	25	18	20	56	0	2	57	55	34	45	49	53	20
27	0	1	25	47	9	15	40	7	30	57	0	3	1	6	12	53	4	42	30
28	0	1	28	57	47	22	54	56	40	58	0	3	4	16	51	0	19	31	40
29	0	1	32	8	25	30	9	45	50	59	0	3	7	27	29	7	34	20	50
30	0	1	35	19	3	37	24	35	0	60	0	3	10	38	7	14	49	10	0

g	1	m	2	3	s	g	m 2 3
2	1	2	3		1	m 2	3
3	[illegible]	3			2	2	3
4	[illegible]				[illegible]	3	

Radices [illegible]

[illegible]								
[illegible]	1	31	55	42	53	12	27	39
[illegible]	1	31	55	52	41	0		
[illegible]	1	55	41	14	43			
[illegible]	1	55	41	2	7			
[illegible]	1	55	44	45	0			
[illegible]								
[illegible]								

56 33 54 7 42

Radix ... ad ... 3 23 41 7 48 7 21 10

Tabula motus medii motus lune in elongacione sui a sole

	1	2	3	4															
1	0	12	11	26	41	37	51	50	39	31	6	17	54	47	30	33	47	10	2
2	0	24	22	53	22	15	43	41	14	32	6	30	6	14	12	11	39	0	40
3	0	36	34	20	4	53	35	31	57	33	6	42	17	40	53	49	30	51	19
4	0	48	45	46	46	31	27	22	32	34	6	54	29	7	35	27	22	41	58
5	1	0	57	13	28	9	19	13	14	35	7	6	40	34	17	5	14	32	37
6	1	13	8	40	9	47	11	3	53	36	7	18	52	0	58	43	6	23	16
7	1	25	20	6	51	25	2	54	31	37	7	31	3	27	40	20	58	13	55
8	1	37	31	33	33	2	54	45	10	38	7	43	14	54	21	58	50	4	34
9	1	49	43	0	14	40	46	35	49	39	7	55	26	21	3	36	41	55	12
10	2	1	54	26	55	18	38	26	28	40	8	7	37	47	45	14	33	45	51
11	2	14	5	53	37	56	30	16	7	41	8	19	49	14	27	52	27	36	30
12	2	26	17	20	19	34	22	7	45	42	8	32	0	41	8	30	17	27	9
13	2	38	28	47	1	12	13	58	24	43	8	44	12	7	50	8	9	17	47
14	2	50	40	13	42	50	5	49	3	44	8	56	23	34	31	46	1	8	26
15	3	2	51	40	24	27	57	39	42	45	9	8	35	1	13	23	52	59	5
16	3	15	3	7	6	5	49	30	20	46	9	20	46	27	55	1	44	49	44
17	3	27	14	33	47	[illegible]	41	20	59	47	9	32	57	54	36	39	36	40	22
18	3	39	26	0	29	21	33	11	38	48	9	45	9	21	18	14	28	31	1
19	3	51	37	27	10	59	25	2	17	49	9	57	20	47	0	55	20	21	40
20	4	3	48	53	52	37	16	22	55	50	10	9	32	14	41	33	12	12	19
21	4	16	0	20	34	15	8	43	34	51	10	21	43	41	23	11	4	2	50
22	4	28	11	47	15	33	0	34	13	52	10	33	55	8	4	48	55	53	36
23	4	40	23	13	57	30	52	24	52	53	10	46	6	34	46	26	47	44	15
24	4	52	34	40	39	8	44	15	31	54	10	58	18	1	28	4	39	24	54
25	5	4	46	7	20	46	36	6	10	55	11	10	29	28	9	42	31	27	33
26	5	16	57	34	2	24	27	56	48	56	11	22	40	54	51	20	23	16	11
27	5	29	9	0	44	2	19	47	27	57	11	34	52	21	32	58	15	6	50
28	5	41	20	27	25	40	11	38	6	58	11	47	3	48	14	36	6	57	29
29	5	53	31	54	7	18	3	28	44	59	11	59	15	14	56	13	28	48	8
30	6	5	43	20	48	55	55	19	23	60	12	11	26	41	37	51	50	38	47

Radices ... circa: Parisius 3 23 48 ... 28 41 58 14
Pansij 3 24 41 2 24 52 48
... 3 23 45 ... 11 27 ...
Mag'd 3 23 55 ... 28 0 38

47 52·56 23

Σ | 14 5 12 44 59 35

Tabula [illegible] medii motus saturni

	1	2	3	4							1	2	3	4					
1	0	0	2	0	35	17	40	21	0	31	0	1	2	18	14	7	50	51	0
2	0	0	4	1	10	35	20	42	0	32	0	1	4	18	49	25	31	12	0
3	0	0	6	1	45	53	1	3	0	33	0	1	6	19	24	43	11	33	0
4	0	0	8	2	21	10	41	24	0	34	0	1	8	20	0	0	51	54	0
5	0	0	10	2	56	28	21	45	0	35	0	1	10	20	35	18	32	15	0
6	0	0	12	3	31	46	2	6	0	36	0	1	12	21	10	36	12	36	0
7	0	0	14	4	7	3	42	27	0	37	0	1	14	21	45	53	52	57	0
8	0	0	16	4	42	21	22	48	0	38	0	1	16	22	21	11	33	18	0
9	0	0	18	5	17	39	3	9	0	39	0	1	18	22	56	29	13	39	0
10	0	0	20	5	52	56	43	30	0	40	0	1	20	23	31	46	54	0	0
11	0	0	22	6	28	14	23	51	0	41	0	1	22	24	7	4	34	21	0
12	0	0	24	7	3	32	4	12	0	42	0	1	24	24	42	22	14	42	0
13	0	0	26	7	38	49	44	33	0	43	0	1	26	25	17	39	55	3	0
14	0	0	28	8	14	7	24	54	0	44	0	1	28	25	52	57	35	24	0
15	0	0	30	8	49	25	5	15	0	45	0	1	30	26	28	15	15	45	0
16	0	0	32	9	24	42	45	36	0	46	0	1	32	27	3	32	56	6	0
17	0	0	34	10	0	0	25	57	0	47	0	1	34	27	38	50	36	27	0
18	0	0	36	10	35	18	6	18	0	48	0	1	36	28	14	8	16	48	0
19	0	0	38	11	10	35	46	39	0	49	0	1	38	28	49	25	57	9	0
20	0	0	40	11	45	53	26	0	0	50	0	1	40	29	24	43	37	30	0
21	0	0	42	12	21	11	7	21	0	51	0	1	42	30	0	1	17	51	0
22	0	0	44	12	56	28	47	42	0	52	0	1	44	30	35	18	58	12	0
23	0	0	46	13	31	46	28	3	0	53	0	1	46	31	10	36	38	33	0
24	0	0	48	14	7	4	8	24	0	54	0	1	48	31	45	54	18	54	0
25	0	0	50	14	42	21	48	45	0	55	0	1	50	32	21	11	59	15	0
26	0	0	52	15	17	39	29	6	0	56	0	1	52	32	56	29	39	36	0
27	0	0	54	15	52	57	9	27	0	57	0	1	54	33	31	47	19	57	0
28	0	0	56	16	28	14	49	48	0	58	0	1	56	34	7	5	0	18	0
29	0	0	58	17	3	32	30	9	0	59	0	1	58	34	42	22	40	39	0
30	0	1	0	17	38	50	10	30	0	60	0	2	0	35	17	40	21	0	0
	s	g	2	3							s	g	2	3					
	g	2	3								g	2	3						
	2	3									2	3							
	3										3								

46 40 22 22

♃ 3 0 27 2 26 43 21

Tabula qtīcos mediū motū Jovis

											i	ii	3							
1	0	0	4	59	15	27	7	23	50 31	31	0	2	34	35	59	54	0	49	18	50
2	0	0	9	58	30	54	14	47	40	32	0	2	39	36	14	14	27	56	42	40
3	0	0	14	57	46	21	22	11	30	33	0	2	44	35	29	34	55	4	6	30
4	0	0	19	57	1	48	29	35	20	34	0	2	49	34	45	0	22	11	30	20
5	0	0	24	56	17	15	36	59	10	35	0	2	54	34	0	16	49	18	54	10
6	0	0	29	55	32	42	44	23	0	36	0	2	59	33	16	31	16	26	18	0
7	0	0	34	54	48	9	51	46	50	37	0	3	4	32	31	47	43	33	41	50
8	0	0	39	54	3	36	59	10	40	38	0	3	9	31	47	2	10	41	5	40
9	0	0	44	53	19	4	6	34	30	39	0	3	14	31	2	18	37	48	29	30
10	0	0	49	52	34	31	13	58	20	40	0	3	19	30	18	33	4	55	53	20
11	0	0	54	51	49	58	21	22	10	41	0	3	24	29	33	48	32	3	17	10
12	0	0	59	51	5	25	28	46	0	42	0	3	29	28	49	4	59	10	41	0
13	0	1	4	50	20	52	36	9	50	43	0	3	34	28	4	19	26	18	4	50
14	0	1	9	49	36	19	43	33	40	44	0	3	39	27	19	35	53	25	28	40
15	0	1	14	48	51	46	50	57	30	45	0	3	44	26	35	50	20	32	52	30
16	0	1	19	48	7	13	58	21	20	46	0	3	49	25	50	5	47	40	16	20
17	0	1	24	47	22	41	5	45	10	47	0	3	54	25	6	21	14	47	44	10
18	0	1	29	46	38	8	13	9	0	48	0	3	59	24	21	36	41	55	4	0
19	0	1	34	45	53	35	20	32	50	49	0	4	4	23	37	52	9	2	27	50
20	0	1	39	45	9	2	27	56	40	50	0	4	9	22	52	8	36	9	51	40
21	0	1	44	44	24	29	35	30	30	51	0	4	14	22	8	23	3	17	15	30
22	0	1	49	43	39	56	42	44	20	52	0	4	19	21	23	38	30	24	34	20
23	0	1	54	42	55	23	50	8	10	53	0	4	24	20	38	54	57	32	3	10
24	0	1	59	42	10	50	57	32	0	54	0	4	29	19	54	9	24	39	27	0
25	0	2	4	41	26	18	4	55	50	55	0	4	34	19	9	25	51	46	50	50
26	0	2	9	40	41	45	12	19	40	56	0	4	39	18	25	40	18	54	14	40
27	0	2	14	39	57	12	19	43	30	57	0	4	44	17	40	55	46	1	38	30
28	0	2	19	39	12	39	27	7	20	58	0	4	49	16	55	4	13	9	2	20
29	0	2	24	38	28	6	34	31	10	59	0	4	54	16	11	24	40	16	26	10
30	0	2	29	37	43	33	41	55	0	60	0	4	59	17	27		7	23	50	0

sg	gr	m	2	3
2	sg	2	3	
1	2	3		
4	3			

sg	gr	m	2	3
2	m	2	3	
3	2	1		
4	3			

℞ 0 41 23 34 26 36 33 . 8 . 8N82

Tabula [motus] medii motus martis

	1	2	3	4							1	2	3	4					
1	0	0	31	26	38	40	5	0	0	31	0	16	14	45	58	42	35	0	0
2	0	1	2	53	17	20	10	0	0	32	0	16	46	12	37	22	40	0	0
3	0	1	34	19	56	0	15	0	0	33	0	17	17	39	16	2	45	0	0
4	0	2	5	46	34	40	20	0	0	34	0	17	49	5	54	42	50	0	0
5	0	2	37	13	13	20	25	0	0	35	0	18	20	32	33	22	55	0	0
6	0	3	8	39	52	0	30	0	0	36	0	18	51	59	12	3	0	0	0
7	0	3	40	6	30	40	35	0	0	37	0	19	23	25	50	43	5	0	0
8	0	4	11	33	9	20	40	0	0	38	0	19	54	52	29	23	10	0	0
9	0	4	42	59	48	0	45	0	0	39	0	20	26	19	8	3	15	0	0
10	0	5	14	26	26	40	50	0	0	40	0	20	57	45	46	43	20	0	0
11	0	5	45	53	5	20	55	0	0	41	0	21	29	12	25	23	25	0	0
12	0	6	17	19	44	1	0	0	0	42	0	22	0	39	4	3	30	0	0
13	0	6	48	46	22	41	5	0	0	43	0	22	32	5	42	43	35	0	0
14	0	7	20	13	1	21	10	0	0	44	0	23	3	32	21	23	40	0	0
15	0	7	51	39	40	1	15	0	0	45	0	23	34	59	0	3	45	0	0
16	0	8	23	6	18	41	20	0	0	46	0	24	6	25	38	43	50	0	0
17	0	8	54	32	57	21	25	0	0	47	0	24	37	52	17	23	55	0	0
18	0	9	25	59	36	1	30	0	0	48	0	25	9	18	56	4	0	0	0
19	0	9	57	26	14	41	35	0	0	49	0	25	40	45	34	44	5	0	0
20	0	10	28	52	53	21	40	0	0	50	0	26	12	12	13	24	10	0	0
21	0	11	0	19	32	1	45	0	0	51	0	26	43	38	52	4	15	0	0
22	0	11	31	46	10	41	50	0	0	52	0	27	15	5	30	44	20	0	0
23	0	12	3	12	49	21	55	0	0	53	0	27	46	32	9	24	25	0	0
24	0	12	34	39	28	2	0	0	0	54	0	28	17	58	48	4	30	0	0
25	0	13	6	6	6	42	5	0	0	55	0	28	49	25	26	44	35	0	0
26	0	13	37	32	45	22	10	0	0	56	0	29	20	52	5	24	40	0	0
27	0	14	8	59	24	2	15	0	0	57	0	29	52	18	44	4	45	0	0
28	0	14	40	26	2	42	20	0	0	58	0	30	23	45	22	44	50	0	0
29	0	15	11	52	41	22	25	0	0	59	0	30	55	12	1	24	55	0	0
30	0	15	43	19	20	2	30	0	0	60	0	31	26	38	40	5	0	0	0

m 5 iii 2 3
2 iii 2 3
1 2 3
4 3

m 5 iii 2 3
2 iii 2 3
3 2 3
4 3

49 28 51 23·38
[illegible] 2 9 19 46 · 57

Tabula quantitatis motus argumenti veneris medii

	i	ii	iii	iv					
1	0	0	36	59	27	23	59	31	0
2	0	1	13	58	54	47	59	2	0
3	0	1	50	58	22	11	58	33	0
4	0	2	27	57	49	35	58	4	0
5	0	3	4	57	16	59	57	35	0
6	0	3	41	56	44	23	57	6	0
7	0	4	18	56	11	47	56	37	0
8	0	4	55	55	39	11	56	8	0
9	0	5	32	55	6	35	55	39	0
10	0	6	9	54	33	59	55	10	0
11	0	6	46	54	1	23	54	41	0
12	0	7	23	53	28	47	54	12	0
13	0	8	0	52	56	11	53	43	0
14	0	8	37	52	23	35	53	14	0
15	0	9	14	51	50	59	52	45	0
16	0	9	51	51	18	23	52	16	0
17	0	10	28	50	45	47	51	47	0
18	0	11	5	50	13	11	51	18	0
19	0	11	42	49	40	35	50	49	0
20	0	12	19	49	7	59	50	20	0
21	0	12	56	48	35	23	49	51	0
22	0	13	33	48	2	47	49	22	0
23	0	14	10	47	30	11	48	53	0
24	0	14	47	46	57	35	48	24	0
25	0	15	24	46	24	59	47	55	0
26	0	16	1	45	52	23	47	26	0
27	0	16	38	45	19	47	46	57	0
28	0	17	15	44	47	11	46	28	0
29	0	17	52	44	14	35	45	59	0
30	0	18	29	43	41	59	45	30	0

	i	ii	iii	iv	9	23	45	1	0
31	0	19	6	43	36	47	44	32	0
32	0	19	43	42	4	11	44	3	0
33	0	20	20	42	31	35	43	34	0
34	0	20	57	41	58	59	43	5	0
35	0	21	34	40	26	23	42	36	0
36	0	22	11	40	53	47	42	7	0
37	0	22	48	39	21	11	41	38	0
38	0	23	25	39	48	35	41	9	0
39	0	24	2	38	15	59	40	40	0
40	0	24	39	38	43	23	40	11	0
41	0	25	16	37	10	47	39	42	0
42	0	25	53	37	38	11	39	13	0
43	0	26	30	36	5	35	38	44	0
44	0	27	7	36	32	59	38	15	0
45	0	27	44	35	0	23	37	46	0
46	0	28	21	35	27	47	37	17	0
47	0	28	58	34	55	11	36	48	0
48	0	29	35	33	22	35	36	19	0
49	0	30	12	33	49	59	35	50	0
50	0	30	49	32	17	23	35	21	0
51	0	31	26	32	44	47	34	52	0
52	0	32	3	31	12	11	34	23	0
53	0	32	40	31	39	35	33	54	0
54	0	33	17	30	6	59	33	25	0
55	0	33	54	30	34	23	32	56	0
56	0	34	31	29	1	47	32	27	0
57	0	35	8	29	29	11	31	58	0
58	0	35	45	28	56	35	31	29	0
59	0	36	22	27	23	59	31	0	0
60	0	36	59	27					

16 56 4 14 21
Pi o 47 12 34 30 31 44

Tabula coniunctionis augis motuum medii

	1	2	3	4					
1	0	3	6	24	7	42	40	52	0
2	0	6	12	48	15	25	21	44	0
3	0	9	19	12	23	8	2	36	0
4	0	12	25	36	30	50	43	28	0
5	0	15	32	0	38	33	24	20	0
6	0	18	38	24	46	16	5	12	0
7	0	21	44	48	53	58	46	4	0
8	0	24	51	12	1	41	26	56	0
9	0	27	57	36	9	24	7	48	0
10	0	31	4	1	17	6	48	40	0
11	0	34	10	24	24	49	29	32	0
12	0	37	16	48	32	32	10	24	0
13	0	40	23	12	40	14	51	16	0
14	0	43	29	37	47	57	32	8	0
15	0	46	36	1	55	40	13	0	0
16	0	49	42	26	3	22	53	52	0
17	0	52	48	50	11	5	34	44	0
18	0	55	55	14	18	48	15	36	0
19	0	59	1	38	26	30	56	28	0
20	1	2	8	2	34	13	37	20	0
21	1	5	14	26	41	56	18	12	0
22	1	8	20	50	49	38	59	4	0
23	1	11	27	14	57	21	39	56	0
24	1	14	33	39	5	4	20	48	0
25	1	17	40	3	12	47	1	40	0
26	1	20	46	27	20	29	42	32	0
27	1	23	52	51	28	12	23	34	0
28	1	26	59	15	35	55	4	16	0
29	1	30	5	39	43	37	45	8	0
30	1	33	12	3	51	20	26	0	0

	1	2	3	4					
31	1	36	18	27	59	3	6	52	0
32	1	39	24	52	6	45	47	44	0
33	1	42	31	16	14	28	28	36	0
34	1	45	37	40	22	11	9	28	0
35	1	48	44	4	29	53	50	20	0
36	1	51	50	28	37	36	31	12	0
37	1	54	56	52	45	19	12	4	0
38	1	58	3	16	53	1	52	56	0
39	2	1	9	41	0	44	33	48	0
40	2	4	16	5	8	27	14	40	0
41	2	7	22	29	16	9	55	32	0
42	2	10	28	53	23	52	36	24	0
43	2	13	35	17	31	35	17	16	0
44	2	16	41	41	39	17	58	8	0
45	2	19	48	5	47	0	39	0	0
46	2	22	54	29	54	43	19	52	0
47	2	26	0	54	2	26	0	44	0
48	2	29	7	18	10	8	41	36	0
49	2	32	13	42	17	51	22	28	0
50	2	35	20	6	25	34	3	20	0
51	2	38	26	30	33	16	44	12	0
52	2	41	32	54	40	59	25	4	0
53	2	44	39	18	48	42	5	56	0
54	2	47	45	42	56	24	46	48	0
55	2	50	52	7	4	7	27	40	0
56	2	53	58	31	11	50	8	32	0
57	2	57	4	55	19	32	49	24	0
58	3	0	11	19	27	15	30	16	0
59	3	3	17	43	34	58	11	8	0
60	3	6	24	7	42	40	52	0	0

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Tabula equacionis solis prima

Linee numeri				co	Equacio solis	
S	G	S	G	S	m	2
0	1	5	59	0	2	10
0	2	5	58	0	4	19
0	3	5	57	0	6	27
0	4	5	56	0	8	36
0	5	5	55	0	10	44
0	6	5	54	0	12	53
0	7	5	53	0	15	2
0	8	5	52	0	17	10
0	9	5	51	0	19	19
0	10	5	50	0	21	28
0	11	5	49	0	23	26
0	12	5	48	0	25	45
0	13	5	47	0	27	53
0	14	5	46	0	30	1
0	15	5	45	0	32	8
0	16	5	44	0	34	16
0	17	5	43	0	36	23
0	18	5	42	0	38	30
0	19	5	41	0	40	37
0	20	5	40	0	42	43
0	21	5	39	0	44	49
0	22	5	38	0	46	55
0	23	5	37	0	48	59
0	24	5	36	0	51	4
0	25	5	35	0	53	4
0	26	5	34	0	55	2
0	27	5	33	0	57	1
0	28	5	32	0	58	59
0	29	5	31	0	0	57
0	30	5	30	0	2	54

Linee numeri			communes		Equacio solis	
S	S	S	S	S	m	2
0	31	5	29	1	4	46
0	32	5	28	1	6	37
0	33	5	27	1	8	28
0	34	5	26	1	10	19
0	35	5	25	1	12	9
0	36	5	24	1	13	56
0	37	5	23	1	15	41
0	38	5	22	1	17	24
0	39	5	21	1	19	6
0	40	5	20	1	20	48
0	41	5	19	1	22	29
0	42	5	18	1	24	10
0	43	5	17	1	25	50
0	44	5	16	1	27	29
0	45	5	15	1	29	8
0	46	5	14	1	30	46
0	47	5	13	1	32	23
0	48	5	12	1	33	59
0	49	5	11	1	35	30
0	50	5	10	1	37	0
0	51	5	9	1	38	30
0	52	5	8	1	39	58
0	53	5	7	1	41	27
0	54	5	6	1	42	54
0	55	5	5	1	44	14
0	56	5	4	1	45	34
0	57	5	3	1	46	53
0	58	5	2	1	48	10
0	59	5	1	1	49	28
0	0	5	0	1	50	44

Linee numeri		communes			Equacio solis	
S	S	S	S	S	m	2
1	1	4	59	1	51	51
1	2	4	58	1	52	56
1	3	4	57	1	24	0
1	4	4	56	1	54	6
1	5	4	55	1	56	9
1	6	4	54	1	57	11
1	7	4	53	1	58	2
1	8	4	52	1	58	52
1	9	4	51	1	59	44
1	10	4	50	2	0	29
1	11	4	49	2	1	16
1	12	4	48	2	2	2
1	13	4	47	2	2	42
1	14	4	46	2	3	21
1	15	4	45	2	3	59
1	16	4	44	2	4	36
1	17	4	43	2	5	16
1	18	4	42	2	5	44
1	19	4	41	2	6	17
1	20	4	40	2	6	45
1	21	4	39	2	7	12
1	22	4	38	2	7	34
1	23	4	37	2	8	2
1	24	4	36	2	8	27
1	25	4	35	2	8	45
1	26	4	34	2	9	4
1	27	4	33	2	9	17
1	28	4	32	2	9	32
1	29	4	31	2	9	45
1	30	4	30	2	9	57

Tabula equacionum Solis secunda

linee	minute	gradus		Equacio solis			linee	minute	gradus		Equacio solis			linee	minute	gradus		Equacio solis		
S	G	S	G	S	gr	m	S	G	S	G	S	gr	m	S	G	S	G	S	gr	m
1	31	4	29	2	9	59	2	1	3	59	1	53	46	2	31	3	29	1	5	1
1	32	4	28	2	10	0	2	2	3	58	1	52	35	2	32	3	28	1	2	54
1	33	4	27	2	10	0	2	3	3	57	1	51	24	2	33	3	27	1	0	47
1	34	4	26	2	10	0	2	4	3	56	1	50	12	2	34	3	26	0	58	40
1	35	4	25	2	9	57	2	5	3	55	1	48	59	2	35	3	25	0	56	33
1	36	4	24	2	9	51	2	6	3	54	1	47	46	2	36	3	24	0	54	25
1	37	4	23	2	9	36	2	7	3	53	1	46	20	2	37	3	23	0	52	17
1	38	4	22	2	9	20	2	8	3	52	1	44	53	2	38	3	22	0	50	9
1	39	4	21	2	9	2	2	9	3	51	1	43	26	2	39	3	21	0	48	1
1	40	4	20	2	9	47	2	10	3	50	1	41	57	2	40	3	20	0	45	53
1	41	4	19	2	8	25	2	11	3	49	1	40	27	2	41	3	19	0	43	44
1	42	4	18	2	8	6	2	12	3	48	1	38	57	2	42	3	18	0	41	35
1	43	4	17	2	7	41	2	13	3	47	1	37	25	2	43	3	17	0	39	26
1	44	4	16	2	7	14	2	14	3	46	1	35	53	2	44	3	16	0	37	16
1	45	4	15	2	6	46	2	15	3	45	1	34	20	2	45	3	15	0	35	6
1	46	4	14	2	6	18	2	16	3	44	1	32	46	2	46	3	14	0	32	51
1	47	4	13	2	5	48	2	17	3	43	1	31	12	2	47	3	13	0	30	35
1	48	4	12	2	5	18	2	18	3	42	1	29	33	2	48	3	12	0	28	19
1	49	4	11	2	4	42	2	19	3	41	1	27	50	2	49	3	11	0	20	4
1	50	4	10	2	4	4	2	20	3	40	1	26	3	2	50	3	10	0	23	42
1	51	4	9	2	3	27	2	21	3	39	1	24	16	2	51	3	9	0	21	22
1	52	4	8	2	2	37	2	22	3	38	1	22	28	2	52	3	8	0	17	1
1	53	4	7	2	1	45	2	23	3	37	1	20	40	2	53	3	7	0	16	40
1	54	4	6	2	0	51	2	24	3	36	1	18	51	2	54	3	6	0	14	19
1	55	4	5	1	59	53	2	25	3	35	1	17	0	2	55	3	5	0	11	58
1	56	4	4	1	58	55	2	26	3	34	1	15	8	2	56	3	4	0	9	36
1	57	4	3	1	57	57	2	27	3	33	1	13	16	2	57	3	3	0	7	12
1	58	4	2	1	56	57	2	28	3	32	1	11	13	2	58	3	2	0	4	48
1	59	4	1	1	55	57	2	29	3	31	1	9	10	2	59	3	1	0	2	24
2	0	4	0	1	54	57	2	30	3	30	1	7	7	3	0	3	0	0	0	0

Tabula equacionum lune propria

Linee numeri communes				Equatio centri		minuta proportionalia	diuisio diametri		Equatio argumenti		
S	G	S	G	S	m	m	G	m	S	m	2
0	1	5	59	0	9	0	0	3	0	4	46
0	2	5	58	0	18	0	0	5	0	9	31
0	3	5	57	0	27	0	0	7	0	14	17
0	4	5	56	0	36	0	0	10	0	19	0
0	5	5	55	0	45	0	0	12	0	23	44
0	6	5	54	0	53	0	0	14	0	28	28
0	7	5	53	1	2	0	0	17	0	33	11
0	8	5	52	1	11	0	0	19	0	37	54
0	9	5	51	1	20	0	0	21	0	42	37
0	10	5	50	1	29	0	0	24	0	47	19
0	11	5	49	1	38	0	0	26	0	52	0
0	12	5	48	1	46	1	0	28	0	56	41
0	13	5	47	1	55	1	0	31	1	1	20
0	14	5	46	2	4	1	0	33	1	5	59
0	15	5	45	2	13	1	0	35	1	10	37
0	16	5	44	2	22	1	0	38	1	15	15
0	17	5	43	2	31	1	0	40	1	19	51
0	18	5	42	2	39	1	0	42	1	24	27
0	19	5	41	2	48	1	0	45	1	29	0
0	20	5	40	2	57	2	0	47	1	33	32
0	21	5	39	3	5	2	0	49	1	38	3
0	22	5	38	3	14	2	0	52	1	42	33
0	23	5	37	3	23	2	0	54	1	47	1
0	24	5	36	3	31	2	0	57	1	51	27
0	25	5	35	3	40	2	1	59	1	55	52
0	26	5	34	3	49	3	1	1	2	0	15
0	27	5	33	3	57	3	1	3	2	4	37
0	28	5	32	4	6	3	1	5	2	8	57
0	29	5	31	4	17	3	1	8	2	13	14
0	30	5	30	4	23	3	1	10	2	17	29

Linee numeri Communes				Equatio centri		minuta proportionalia	diuisio diametri		Equatio argumenti		
S	G	S	G	S	m	m	G	m	S	m	2
0	31	5	29	4	32	5	1	12	2	21	43
0	32	5	28	4	41	3	1	14	2	27	55
0	33	5	27	4	49	4	1	16	2	30	5
0	34	5	26	4	58	4	1	19	2	34	12
0	35	5	25	5	7	4	1	21	2	38	17
0	36	5	24	5	15	4	1	23	2	42	21
0	37	5	23	5	24	5	1	25	2	46	22
0	38	5	22	5	33	5	1	27	2	50	19
0	39	5	21	5	41	5	1	29	2	54	14
0	40	5	20	5	50	5	1	31	2	58	7
0	41	5	19	5	59	6	1	33	3	1	8
0	42	5	18	6	7	6	1	35	3	5	46
0	43	5	17	6	16	6	1	37	3	9	31
0	44	5	16	6	25	7	1	39	3	10	13
0	45	5	15	6	33	7	1	40	3	16	51
0	46	5	14	6	42	7	1	42	3	20	26
0	47	5	13	6	50	8	1	44	3	23	59
0	48	5	12	6	58	8	1	45	3	27	30
0	49	5	11	7	7	8	1	47	3	30	57
0	50	5	10	7	15	9	1	48	3	34	20
0	51	5	9	7	23	9	1	49	3	37	40
0	52	5	8	7	32	9	1	51	3	40	57
0	53	5	7	7	40	10	1	53	3	44	17
0	54	5	6	7	48	10	1	54	3	47	20
0	55	5	5	7	56	10	1	56	3	50	26
0	56	5	4	8	4	11	1	58	3	53	29
0	57	5	3	8	12	11	1	59	3	56	36
0	58	5	2	8	20	11	2	1	3	59	26
0	59	5	1	8	28	12	2	2	4	2	17
1	0	5	0	8	39	12	2	3	4	5	4

Tabula equacionum lune secunda

Linee numeri communes				Equacio centri		Minuta proportionalia	Diversitas dyametri		Equacio argumenti		
S	G	S	G	G	M	M	G	M	G	M	2a
1	1	4	59	8	44	13	2	5	4	7	47
1	2	4	58	8	52	13	2	6	4	10	27
1	3	4	57	8	59	14	2	7	4	13	3
1	4	4	56	9	7	14	2	[illegible]	4	15	35
1	5	4	55	9	15	15	2	10	4	18	3
1	6	4	54	9	22	15	2	12	4	20	27
1	7	4	53	9	30	15	2	13	4	22	47
1	8	4	52	9	37	16	2	14	4	25	2
1	9	4	51	9	44	16	2	15	4	27	12
1	10	4	50	9	52	17	2	16	4	29	18
1	11	4	49	9	59	17	2	17	4	31	20
1	12	4	48	10	6	18	2	18	4	33	18
1	13	4	47	10	13	18	2	19	4	35	11
1	14	4	46	10	20	19	2	20	4	36	59
1	15	4	45	10	27	19	2	21	4	38	43
1	16	4	44	10	34	20	2	22	4	40	23
1	17	4	43	10	41	20	2	23	4	41	58
1	18	4	42	10	48	21	2	24	4	43	28
1	19	4	41	10	55	21	2	25	4	44	53
1	20	4	40	11	2	22	2	26	4	46	13
1	21	4	39	11	8	22	2	27	4	47	26
1	22	4	38	11	15	23	2	28	4	48	35
1	23	4	37	11	21	23	2	29	4	49	38
1	24	4	36	11	27	23	2	30	4	50	41
1	25	4	35	11	33	24	2	31	4	51	58
1	26	4	34	11	39	24	2	32	4	52	28
1	27	4	33	11	44	25	2	33	4	53	11
1	28	4	32	11	50	25	2	34	4	53	50
1	29	4	31	11	55	26	2	35	4	54	25
1	30	4	30	12	0	26	2	36	4	54	54

Linee numeri communes				Equacio centri		Minuta proportionalia	Diversitas dyametri		Equacio argumenti		
S	G	S	G	G	M	M	G	M	G	M	2a
1	31	4	29	12	5	26	2	37	4	55	18
1	32	4	28	12	10	27	2	37	4	55	37
1	33	4	27	12	14	28	2	38	4	55	49
1	34	4	26	12	20	28	2	38	4	55	55
1	35	4	25	12	24	29	2	38	4	56	0
1	36	4	24	12	28	30	2	38	4	55	56
1	37	4	23	12	32	30	2	38	4	55	42
1	38	4	22	12	36	31	2	39	4	55	25
1	39	4	21	12	39	31	2	39	4	55	4
1	40	4	20	12	42	32	2	39	4	54	41
1	41	4	19	12	45	32	2	39	4	54	13
1	42	4	18	12	48	33	2	39	4	53	38
1	43	4	17	12	51	33	2	40	4	52	59
1	44	4	16	12	54	34	2	40	4	52	14
1	45	4	15	12	56	35	2	40	4	51	22
1	46	4	14	12	58	35	2	40	4	50	22
1	47	4	13	13	0	36	2	40	4	49	17
1	48	4	12	13	2	36	2	40	4	48	10
1	49	4	11	13	4	37	2	40	4	46	54
1	50	4	10	13	5	37	2	39	4	45	33
1	51	4	9	13	6	38	2	39	4	44	7
1	52	4	8	13	7	38	2	38	4	42	34
1	53	4	7	13	8	39	2	38	4	40	56
1	54	4	6	13	9	39	2	37	4	39	15
1	55	4	5	13	9	40	2	36	4	37	29
1	56	4	4	13	8	40	2	35	4	35	37
1	57	4	3	13	7	41	2	34	4	33	41
1	58	4	2	13	6	41	2	33	4	31	34
1	59	4	1	13	5	42	2	32	4	29	20
2	0	4	0	13	4	42	2	31	4	27	0

Tabula Equacionis lune Tertia

Linee medii ques (S)	(G)	(S)	(G)	Equatio centri (G)	(M)	minuta proportionalia	Diversitas dyametri (G)	(M)	Equacio argumenti (G)	(M)	(2)
2	1	3	59	13	3	43	2	30	4	24	38
2	2	3	58	13	1	43	2	29	4	22	11
2	3	3	57	12	29	44	2	28	4	19	38
2	4	3	56	12	56	44	2	26	4	16	58
2	5	3	55	12	53	45	2	25	4	14	13
2	6	3	54	12	45	45	2	23	4	11	23
2	7	3	53	12	46	46	2	22	4	8	28
2	8	3	52	12	41	46	2	21	4	5	31
2	9	3	51	12	36	47	2	19	4	2	30
2	10	3	50	12	30	47	2	18	3	59	20
2	11	3	49	12	23	47	2	16	3	56	5
2	12	3	48	12	16	48	2	15	3	52	47
2	13	3	47	12	9	48	2	14	3	49	23
2	14	3	46	12	2	49	2	12	3	45	52
2	15	3	45	11	54	49	2	10	3	42	17
2	16	3	44	11	46	50	2	9	3	38	37
2	17	3	43	11	38	50	2	7	3	34	53
2	18	3	42	11	29	51	2	5	3	31	3
2	19	3	41	11	20	51	2	3	3	27	10
2	20	3	40	11	11	52	2	1	3	23	12
2	21	3	39	11	2	52	1	58	3	19	9
2	22	3	38	10	53	53	1	56	3	15	2
2	23	3	37	10	43	53	1	54	3	10	50
2	24	3	36	10	33	53	1	51	3	6	35
2	25	3	35	10	22	54	1	49	3	2	15
2	26	3	34	10	11	54	1	46	2	57	51
2	27	3	33	10	0	54	1	43	2	53	23
2	28	3	32	9	48	55	1	41	2	48	51
2	29	3	31	9	37	55	1	38	2	44	15
2	30	3	30	9	22	55	1	35	2	39	35
2	31	3	29	9	8	56	1	32	2	34	52
2	32	3	28	8	53	56	1	29	2	30	6
2	33	3	27	8	38	56	1	26	2	25	16
2	34	3	26	8	22	56	1	24	2	20	23
2	35	3	25	8	5	57	1	21	2	15	26
2	36	3	24	7	48	57	1	18	2	10	26
2	37	3	23	7	31	57	1	16	2	5	22
2	38	3	22	7	14	57	1	13	2	0	17
2	39	3	21	6	56	57	1	10	1	55	9
2	40	3	20	6	39	58	1	8	1	49	58
2	41	3	19	6	21	58	1	5	1	44	44
2	42	3	18	6	3	58	1	2	1	39	27
2	43	3	17	5	45	58	0	59	1	34	9
2	44	3	16	5	27	58	0	56	1	28	49
2	45	3	15	5	8	58	0	53	1	23	26
2	46	3	14	4	49	59	0	[illegible]	1	18	1
2	47	3	13	4	30	59	0	46	1	12	34
2	48	3	12	4	11	59	0	42	1	7	6
2	49	3	11	3	52	59	0	39	1	1	36
2	50	3	10	3	32	59	0	36	0	56	5
2	51	3	9	3	12	59	0	32	0	50	32
2	52	3	8	2	52	60	0	29	0	44	58
2	53	3	7	2	32	60	0	25	0	39	23
2	54	3	6	2	11	60	0	21	0	33	47
2	55	3	5	1	50	60	0	18	0	28	10
2	56	3	4	1	29	60	0	15	0	22	33
2	57	3	3	1	7	60	0	11	0	16	56
2	58	3	2	0	47	60	0	8	0	11	18
2	59	3	1	0	23	60	0	4	0	5	40
3	0	3	0	0	0	60	0	0	0	0	0

Tabula equacionum saturni

Lineae numeri S	Lineae numeri G	Lineae communes S	Lineae communes G	Equatio centri S	Equatio centri M	Minuta proportionalia longitudinis longioris M	Diversitas diametri circuli brevis S	Diversitas diametri circuli brevis M	Equatio argumenti S	Equatio argumenti M	Longitudo propior S	Longitudo propior M
0	1	5	59	0	7	60	0	0	0	6	0	0
0	2	5	58	0	13	60	0	1	0	12	0	1
0	3	5	57	0	20	60	0	1	0	18	0	1
0	4	5	56	0	27	60	0	1	0	24	0	1
0	5	5	55	0	33	60	0	2	0	30	0	2
0	6	5	54	0	40	60	0	2	0	36	0	2
0	7	5	53	0	46	60	0	2	0	42	0	2
0	8	5	52	0	52	59	0	3	0	48	0	3
0	9	5	51	0	58	59	0	3	0	54	0	3
0	10	5	50	1	5	59	0	3	1	0	0	3
0	11	5	49	1	11	59	0	4	1	6	0	4
0	12	5	48	1	17	58	0	4	1	11	0	4
0	13	5	47	1	24	58	0	4	1	17	0	5
0	14	5	46	1	30	58	0	4	1	23	0	5
0	15	5	45	1	36	57	0	5	1	28	0	6
0	16	5	44	1	43	57	0	5	1	34	0	6
0	17	5	43	1	49	56	0	5	1	40	0	7
0	18	5	42	1	55	56	0	5	1	45	0	7
0	19	5	41	2	1	55	0	6	1	51	0	8
0	20	5	40	2	7	55	0	6	1	57	0	8
0	21	5	39	2	13	55	0	6	2	2	0	8
0	22	5	38	2	19	54	0	6	2	8	0	9
0	23	5	37	2	25	54	0	7	2	13	0	9
0	24	5	36	2	31	53	0	7	2	18	0	9
0	25	5	35	2	37	53	0	7	2	24	0	10
0	26	5	34	2	43	52	0	7	2	29	0	10
0	27	5	33	2	49	52	0	8	2	34	0	10
0	28	5	32	2	55	52	0	8	2	40	0	11
0	29	5	31	3	1	51	0	8	2	45	0	11
0	30	5	30	3	6	51	0	8	2	50	0	11
0	31	5	29	3	12	50	0	9	2	55	0	12
0	32	5	28	3	18	50	0	9	3	0	0	12
0	33	5	27	3	23	49	0	9	3	5	0	12
0	34	5	26	3	29	49	0	9	3	10	0	12
0	35	5	25	3	34	48	0	9	3	15	0	13
0	36	5	24	3	39	48	0	10	3	20	0	13
0	37	5	23	3	45	47	0	10	3	25	0	13
0	38	5	22	3	50	46	0	10	3	30	0	14
0	39	5	21	3	55	46	0	10	3	35	0	14
0	40	5	20	4	0	45	0	10	3	40	0	14
0	41	5	19	4	5	45	0	11	3	45	0	15
0	42	5	18	4	10	44	0	11	3	49	0	15
0	43	5	17	4	17	44	0	11	3	54	0	15
0	44	5	16	4	20	44	0	11	3	59	0	16
0	45	5	15	4	25	43	0	11	4	3	0	16
0	46	5	14	4	30	42	0	12	4	8	0	16
0	47	5	13	4	35	42	0	12	4	13	0	17
0	48	5	12	4	39	41	0	12	4	17	0	17
0	49	5	11	4	44	40	0	12	4	22	0	17
0	50	5	10	4	48	40	0	13	4	26	0	18
0	51	5	9	4	53	39	0	13	4	30	0	18
0	52	5	8	4	56	38	0	13	4	34	0	18
0	53	5	7	5	1	37	0	14	4	38	0	19
0	54	5	6	5	5	36	0	14	4	42	0	19
0	55	5	5	5	9	35	0	14	4	46	0	19
0	56	5	4	5	13	35	0	14	4	50	0	19
0	57	5	3	5	17	34	0	15	4	53	0	19
0	58	5	2	5	21	33	0	15	4	57	0	19
0	59	5	1	5	25	32	0	15	5	1	0	20
1	0	5	0	5	29	31	0	15	5	4	0	20

Tabula equacionis Saturni secunda

Linee numeri		communes		Equacio centri		minuta proporcionalia longior	longitudo longior		Equacio argumenti		longitudo propior	
S	G	S	G	G	m	m	S	m	G	m	G	m
1	1	4	59	5	33	29	0	16	5	8	0	20
1	2	4	58	5	37	28	0	16	5	12	0	20
1	3	4	57	5	41	27	0	16	5	15	0	20
1	4	4	56	5	44	26	0	16	5	19	0	20
1	5	4	55	5	47	25	0	16	5	22	0	20
1	6	4	54	5	50	24	0	17	5	25	0	20
1	7	4	53	5	53	23	0	17	5	28	0	21
1	8	4	52	5	56	22	0	17	5	31	0	21
1	9	4	51	5	59	21	0	17	5	34	0	21
1	10	4	50	6	2	20	0	17	5	37	0	21
1	11	4	49	6	5	19	0	17	5	40	0	21
1	12	4	48	6	7	18	0	18	5	42	0	21
1	13	4	47	6	9	16	0	18	5	45	0	21
1	14	4	46	6	12	15	0	18	5	47	0	21
1	15	4	45	6	14	14	0	18	5	49	0	21
1	16	4	44	6	19	13	0	18	5	51	0	21
1	17	4	43	6	18	12	0	18	5	53	0	21
1	18	4	42	6	19	11	0	18	5	55	0	21
1	19	4	41	6	21	9	0	18	5	57	0	22
1	20	4	40	6	22	8	0	18	5	59	0	22
1	21	4	39	6	23	7	0	18	6	0	0	22
1	22	4	38	6	25	6	0	19	6	2	0	22
1	23	4	37	6	26	5	0	19	6	4	0	22
1	24	4	36	6	27	4	0	19	6	5	0	22
1	25	4	35	6	28	3	0	19	6	7	0	22
1	26	4	34	6	28	2	0	19	6	8	0	22
1	27	4	33	6	29	1	0	19	6	9	0	23
1	28	4	32	6	30	longior 1	0	19	6	10	0	23
1	29	4	31	6	30	2	0	19	6	11	0	23
1	30	4	30	6	31	3 propior	0	19	6	11	0	23

Linee numeri		communes		Equacio centri		minuta proporcionalia propior	longitudo longior		Equacio argumenti		longitudo propior	
S	G	S	G	G	m	m	S	m	G	m	G	m
1	31	4	29	6	31	4	0	19	6	12	0	23
1	32	4	28	6	31	5	0	20	6	12	0	23
1	33	4	27	6	31	6	0	20	6	12	0	23
1	34	4	26	6	31	7	0	20	6	13	0	24
1	35	4	25	6	30	8	0	20	6	13	0	24
1	36	4	24	6	30	9	0	20	6	13	0	24
1	37	4	23	6	29	10	0	20	6	13	0	24
1	38	4	22	6	29	11	0	20	6	13	0	24
1	39	4	21	6	28	12	0	20	6	13	0	24
1	40	4	20	6	28	13	0	21	6	12	0	24
1	41	4	19	6	27	14	0	21	6	12	0	24
1	42	4	18	6	26	15	0	21	6	12	0	25
1	43	4	17	6	25	15	0	21	6	11	0	25
1	44	4	16	6	24	16	0	21	6	10	0	25
1	45	4	15	6	22	17	0	21	6	9	0	25
1	46	4	14	6	21	18	0	21	6	8	0	25
1	47	4	13	6	19	19	0	21	6	7	0	25
1	48	4	12	6	17	20	0	20	6	5	0	25
1	49	4	11	6	16	20	0	20	6	4	0	25
1	50	4	10	6	14	21	0	20	6	2	0	25
1	51	4	9	6	12	22	0	20	6	0	0	25
1	52	4	8	6	10	23	0	20	5	59	0	24
1	53	4	7	6	8	24	0	20	5	57	0	24
1	54	4	6	6	6	25	0	19	5	55	0	24
1	55	4	5	6	4	26	0	19	5	53	0	24
1	56	4	4	6	1	26	0	19	5	51	0	24
1	57	4	3	5	58	27	0	19	5	48	0	24
1	58	4	2	5	55	28	0	19	5	46	0	23
1	59	4	1	5	52	29	0	19	5	43	0	23
2	0	4	0	5	49	30	0	19	5	41	0	23

Tabula Equacionum Saturni Tercia

Linee numeri communes				Equacio centri		Minuta proportionalia longitudinis propior	Equacio argumenti longitudinis longioris		Equacio argumenti		Longitudinis propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	5	46	30	0	19	5	37	0	23
2	2	3	58	5	43	31	0	19	5	34	0	23
2	3	3	57	5	40	32	0	19	5	31	0	23
2	4	3	56	5	36	33	0	19	5	28	0	23
2	5	3	55	5	32	33	0	18	5	24	0	22
2	6	3	54	5	28	34	0	18	5	21	0	22
2	7	3	53	5	24	35	0	18	5	18	0	22
2	8	3	52	5	20	36	0	18	5	14	0	22
2	9	3	51	5	16	37	0	18	5	10	0	21
2	10	3	50	5	12	37	0	17	5	6	0	21
2	11	3	49	5	8	38	0	17	5	2	0	21
2	12	3	48	5	3	39	0	17	4	58	0	21
2	13	3	47	4	58	40	0	17	4	54	0	20
2	14	3	46	4	53	41	0	17	4	50	0	20
2	15	3	45	4	48	42	0	16	4	45	0	20
2	16	3	44	4	43	42	0	16	4	41	0	19
2	17	3	43	4	38	43	0	16	4	36	0	19
2	18	3	42	4	33	44	0	16	4	31	0	19
2	19	3	41	4	28	44	0	16	4	26	0	18
2	20	3	40	4	23	45	0	15	4	21	0	18
2	21	3	39	4	17	46	0	15	4	16	0	18
2	22	3	38	4	12	46	0	15	4	11	0	17
2	23	3	37	4	6	47	0	15	4	6	0	17
2	24	3	36	4	0	48	0	14	4	0	0	17
2	25	3	35	3	54	49	0	14	3	55	0	16
2	26	3	34	3	48	49	0	14	3	49	0	16
2	27	3	33	3	42	50	0	13	3	43	0	15
2	28	3	32	3	36	50	0	13	3	37	0	15
2	29	3	31	3	30	51	0	12	3	31	0	14
2	30	3	30	3	24	51	0	12	3	27	0	14

Linee numeri communes				Equacio centri		Minuta proportionalia longitudinis propior	Equacio argumenti longitudinis longioris		Equacio argumenti		Longitudinis propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	31	3	29	3	18	52	0	12	3	19	0	13
2	32	3	28	3	12	53	0	11	3	13	0	13
2	33	3	27	3	6	53	0	11	3	7	0	13
2	34	3	26	2	59	54	0	11	3	1	0	12
2	35	3	25	2	52	54	0	10	2	54	0	12
2	36	3	24	2	46	55	0	10	2	48	0	12
2	37	3	23	2	40	55	0	9	2	42	0	11
2	38	3	22	2	34	56	0	9	2	36	0	11
2	39	3	21	2	27	56	0	8	2	29	0	11
2	40	3	20	2	21	57	0	8	2	23	0	10
2	41	3	19	2	14	57	0	7	2	16	0	10
2	42	3	18	2	7	58	0	7	2	9	0	10
2	43	3	17	2	0	58	0	6	2	2	0	9
2	44	3	16	1	53	59	0	6	1	55	0	9
2	45	3	15	1	46	59	0	6	1	48	0	8
2	46	3	14	1	39	59	0	5	1	41	0	8
2	47	3	13	1	32	59	0	5	1	34	0	7
2	48	3	12	1	25	60	0	5	1	27	0	7
2	49	3	11	1	18	60	0	4	1	20	0	6
2	50	3	10	1	11	60	0	4	1	13	0	6
2	51	3	9	1	4	60	0	4	1	6	0	5
2	52	3	8	0	57	60	0	4	0	59	0	5
2	53	3	7	0	50	60	0	3	0	52	0	4
2	54	3	6	0	43	60	0	3	0	45	0	4
2	55	3	5	0	36	60	0	3	0	38	0	3
2	56	3	4	0	29	60	0	2	0	30	0	3
2	57	3	3	0	22	60	0	2	0	23	0	2
2	58	3	2	0	15	60	0	1	0	16	0	2
2	59	3	1	0	8	60	0	1	0	8	0	1
3	0	3	0	0	0	60	0	0	0	0	0	0

Tabula equationum Jovis prima

Linee numeri communes				Equatio centri		Minuta proportionalia longior	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	1	5	59	0	6	60	0	0	0	10	0	0
0	2	5	58	0	12	60	0	1	0	20	0	1
0	3	5	57	0	18	60	0	1	0	29	0	1
0	4	5	56	0	24	60	0	1	0	39	0	1
0	5	5	55	0	30	60	0	2	0	49	0	2
0	6	5	54	0	36	60	0	2	0	57	0	2
0	7	5	53	0	42	60	0	2	1	8	0	2
0	8	5	52	0	48	60	0	3	1	18	0	3
0	9	5	51	0	53	60	0	3	1	28	0	3
0	10	5	50	0	59	60	0	3	1	37	0	3
0	11	5	49	1	5	60	0	4	1	47	0	4
0	12	5	48	1	11	60	0	4	1	57	0	4
0	13	5	47	1	17	59	0	4	2	6	0	5
0	14	5	46	1	23	59	0	5	2	15	0	5
0	15	5	45	1	28	59	0	5	2	24	0	5
0	16	5	44	1	34	59	0	5	2	34	0	6
0	17	5	43	1	40	58	0	6	2	43	0	6
0	18	5	42	1	47	58	0	6	2	52	0	7
0	19	5	41	1	51	58	0	6	3	2	0	7
0	20	5	40	1	57	57	0	7	3	11	0	8
0	21	5	39	2	2	57	0	7	3	20	0	8
0	22	5	38	2	8	57	0	7	3	30	0	8
0	23	5	37	2	13	56	0	8	3	39	0	9
0	24	5	36	2	18	56	0	8	3	48	0	9
0	25	5	35	2	24	55	0	8	3	57	0	9
0	26	5	34	2	30	55	0	9	4	6	0	10
0	27	5	33	2	35	54	0	9	4	15	0	10
0	28	5	32	2	41	54	0	9	4	24	0	10
0	29	5	31	2	46	53	0	10	4	33	0	11
0	30	5	30	2	51	53	0	10	4	42	0	11

Linee numeri communes				Equatio centri		Minuta proportionalia longior	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	31	5	29	2	56	52	0	10	4	51	0	11
0	32	5	28	3	1	51	0	11	5	0	0	12
0	33	5	27	3	6	51	0	11	5	8	0	12
0	34	5	26	3	11	50	0	11	5	17	0	12
0	35	5	25	3	16	50	0	12	5	26	0	13
0	36	5	24	3	21	49	0	12	5	34	0	13
0	37	5	23	3	26	49	0	12	5	43	0	13
0	38	5	22	3	31	48	0	13	5	52	0	14
0	39	5	21	3	36	47	0	13	6	0	0	14
0	40	5	20	3	41	47	0	13	6	9	0	14
0	41	5	19	3	45	46	0	14	6	17	0	15
0	42	5	18	3	49	46	0	14	6	27	0	15
0	43	5	17	3	54	45	0	14	6	33	0	15
0	44	5	16	3	59	44	0	15	6	41	0	16
0	45	5	15	4	3	43	0	15	6	49	0	16
0	46	5	14	4	8	43	0	15	6	57	0	17
0	47	5	13	4	12	42	0	16	7	5	0	17
0	48	5	11	4	16	41	0	16	7	12	0	18
0	49	5	11	4	20	40	0	16	7	20	0	18
0	50	5	10	4	24	39	0	17	7	28	0	19
0	51	5	9	4	28	38	0	17	7	37	0	19
0	52	5	8	4	32	37	0	17	7	43	0	19
0	53	5	7	4	36	36	0	18	7	50	0	20
0	54	5	6	4	39	35	0	18	7	57	0	20
0	55	5	5	4	43	34	0	18	8	4	0	20
0	56	5	4	4	47	33	0	19	8	11	0	21
0	57	5	3	4	50	33	0	19	8	17	0	21
0	58	5	2	4	54	32	0	19	8	24	0	21
0	59	5	1	4	58	31	0	20	8	31	0	22
1	0	5	0	5	1	30	0	20	8	37	0	22

Tabula equacionis lune secunda

Linee numeri communes				Equacio centri		minuta proportionalia longior	Longitudo longior		Equacio argumenti		Longitudo propior	
S	G	S	G	G	m	m	G	m	G	m	G	m
1	1	4	59	5	5	29	0	20	8	44	0	22
1	2	4	58	5	9	28	0	21	8	50	0	23
1	3	4	57	5	12	27	0	21	8	56	0	23
1	4	4	56	5	15	26	0	21	9	2	0	23
1	5	4	55	5	18	25	0	22	9	8	0	24
1	6	4	54	5	20	24	0	22	9	14	0	24
1	7	4	53	5	23	23	0	22	9	20	0	24
1	8	4	52	5	26	22	0	23	9	26	0	25
1	9	4	51	5	28	20	0	23	9	31	0	25
1	10	4	50	5	31	19	0	23	9	36	0	25
1	11	4	49	5	33	18	0	24	9	41	0	26
1	12	4	48	5	35	17	0	24	9	46	0	26
1	13	4	47	5	37	16	0	24	9	51	0	26
1	14	4	46	5	39	15	0	25	9	56	0	27
1	15	4	45	5	41	14	0	25	10	0	0	27
1	16	4	44	5	43	13	0	25	10	5	0	27
1	17	4	43	5	45	12	0	25	10	9	0	28
1	18	4	42	5	46	11	0	26	10	13	0	28
1	19	4	41	5	48	10	0	26	10	17	0	28
1	20	4	40	5	49	9	0	26	10	21	0	29
1	21	4	39	5	50	8	0	26	10	25	0	29
1	22	4	38	5	51	7	0	26	10	29	0	29
1	23	4	37	5	52	6	0	26	10	32	0	29
1	24	4	36	5	53	5	0	27	10	35	0	30
1	25	4	35	5	54	4	0	27	10	38	0	30
1	26	4	34	5	55	3	0	27	10	41	0	30
1	27	4	33	5	55	2	0	27	10	44	0	30
1	28	4	32	5	56	1	0	27	10	47	0	30
1	29	4	31	5	56	propior 1	0	27	10	49	0	30
1	30	4	30	5	57	2	0	27	10	51	0	30
1	31	4	29	5	57	3	0	27	10	53	0	31
1	32	4	28	5	57	4	0	28	10	55	0	31
1	33	4	27	5	57	5	0	28	10	57	0	31
1	34	4	26	5	57	5	0	28	10	59	0	31
1	35	4	25	5	57	6	0	28	11	0	0	31
1	36	4	24	5	57	7	0	28	11	1	0	31
1	37	4	23	5	56	8	0	28	11	2	0	31
1	38	4	22	5	56	9	0	28	11	2	0	32
1	39	4	21	5	55	10	0	29	11	3	0	32
1	40	4	20	5	55	11	0	29	11	3	0	32
1	41	4	19	5	54	12	0	29	11	3	0	32
1	42	4	18	5	53	13	0	29	11	3	0	32
1	43	4	17	5	52	14	0	29	11	2	0	32
1	44	4	16	5	51	15	0	29	11	2	0	32
1	45	4	15	5	49	16	0	29	11	2	0	32
1	46	4	14	5	48	17	0	30	11	1	0	32
1	47	4	13	5	46	18	0	30	11	0	0	33
1	48	4	12	5	44	19	0	30	10	59	0	33
1	49	4	11	5	43	20	0	30	10	57	0	33
1	50	4	10	5	41	21	0	30	10	55	0	33
1	51	4	9	5	39	22	0	30	10	53	0	33
1	52	4	8	5	37	22	0	30	10	51	0	33
1	53	4	7	5	35	23	0	30	10	48	0	33
1	54	4	6	5	33	24	0	30	10	45	0	33
1	55	4	5	5	31	25	0	30	10	42	0	33
1	56	4	4	5	29	26	0	30	10	39	0	33
1	57	4	3	5	27	27	0	30	10	35	0	33
1	58	4	2	5	25	28	0	30	10	31	0	33
1	59	4	1	5	22	29	0	30	10	27	0	33
1	0	4	0	5	19	30	0	30	10	23	0	33

Tabula equacionum Jovis tercia

linee numeri communes				Equatio centri		minuta proportionalia	longitudo longior		equatio		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	5	16	31	0	29	10	19	0	32
2	2	3	58	5	13	32	0	29	10	15	0	32
2	3	3	57	5	10	33	0	29	10	10	0	32
2	4	3	56	5	6	34	0	29	10	5	0	32
2	5	3	55	5	3	35	0	29	10	0	0	32
2	6	3	54	4	59	36	0	29	9	54	0	32
2	7	3	53	4	55	37	0	28	9	48	0	32
2	8	3	52	4	51	38	0	28	9	42	0	31
2	9	3	51	4	47	39	0	28	9	36	0	31
2	10	3	50	4	43	40	0	28	9	30	0	31
2	11	3	49	4	39	41	0	28	9	24	0	31
2	12	3	48	4	35	42	0	28	9	17	0	31
2	13	3	47	4	31	42	0	27	9	10	0	31
2	14	3	46	4	27	43	0	27	9	2	0	30
2	15	3	45	4	22	43	0	27	8	54	0	30
2	16	3	44	4	18	44	0	26	8	47	0	30
2	17	3	43	4	13	44	0	26	8	39	0	30
2	18	3	42	4	8	46	0	26	8	31	0	29
2	19	3	41	4	4	45	0	25	8	22	0	29
2	20	3	40	3	59	47	0	25	8	13	0	28
2	21	3	39	3	54	47	0	25	8	4	0	28
2	22	3	38	3	49	48	0	24	7	55	0	27
2	23	3	37	3	44	48	0	24	7	47	0	27
2	24	3	36	3	38	49	0	24	7	36	0	26
2	25	3	35	3	33	49	0	23	7	26	0	26
2	26	3	34	3	28	50	0	23	7	16	0	25
2	27	3	33	3	22	50	0	23	7	6	0	24
2	28	3	32	3	17	51	0	22	6	57	0	24
2	29	3	31	3	12	51	0	22	6	47	0	23
2	30	3	30	3	6	52	0	21	6	34	0	22
2	31	3	29	3	1	52	0	21	6	23	0	22
2	32	3	28	2	55	53	0	20	6	12	0	21
2	33	3	27	2	49	53	0	19	6	0	0	20
2	34	3	26	2	44	53	0	19	5	48	0	20
2	35	3	25	2	38	54	0	18	5	36	0	19
2	36	3	24	2	32	54	0	17	5	24	0	18
2	37	3	23	2	26	55	0	17	5	12	0	18
2	38	3	22	2	20	55	0	16	5	0	0	17
2	39	3	21	2	14	56	0	15	4	47	0	16
2	40	3	20	2	8	56	0	15	4	35	0	15
2	41	3	19	2	2	57	0	14	4	22	0	14
2	42	3	18	1	56	57	0	13	4	9	0	14
2	43	3	17	1	50	57	0	13	3	56	0	14
2	44	3	16	1	43	58	0	12	3	42	0	13
2	45	3	15	1	37	58	0	11	3	29	0	12
2	46	3	14	1	30	58	0	11	3	16	0	12
2	47	3	13	1	24	59	0	10	3	3	0	11
2	48	3	12	1	18	59	0	9	2	49	0	10
2	49	3	11	1	12	59	0	9	2	35	0	10
2	50	3	10	1	5	59	0	8	2	21	0	9
2	51	3	9	0	59	59	0	7	2	7	0	8
2	52	3	8	0	52	59	0	6	1	53	0	7
2	53	3	7	0	46	60	0	6	1	39	0	7
2	54	3	6	0	39	60	0	5	1	25	0	6
2	55	3	5	0	33	60	0	5	1	11	0	5
2	56	3	4	0	27	60	0	4	0	57	0	4
2	57	3	3	0	20	60	0	3	0	43	0	3
2	58	3	2	0	14	60	0	2	0	29	0	2
2	59	3	1	0	7	60	0	1	0	15	0	1
3	0	3	0	0	0	60	0	0	0	0	0	0

Tabula Equationum Martis prima

Linee numeri communes		Equatio centri		Minuta proportionalia longior			Equatio argumenti		Longior propior			
S	G	S	G	S	G	m	S	m	S	m	S	m
0	1	5	59	0	11	60	0	2	0	24	0	2
0	2	5	58	0	22	60	0	3	0	48	0	3
0	3	5	57	0	33	60	0	4	1	12	0	4
0	4	5	56	0	44	60	0	6	1	36	0	6
0	5	5	55	0	55	60	0	7	2	0	0	7
0	6	5	54	1	5	60	0	8	2	24	0	9
0	7	5	53	1	16	59	0	10	2	48	0	10
0	8	5	52	1	27	59	0	11	3	12	0	12
0	9	5	51	1	38	59	0	12	3	36	0	13
0	10	5	50	1	49	59	0	14	3	59	0	14
0	11	5	49	2	0	59	0	15	4	23	0	16
0	12	5	48	2	10	59	0	16	4	46	0	18
0	13	5	47	2	21	58	0	18	5	10	0	20
0	14	5	46	2	32	58	0	19	5	34	0	21
0	15	5	45	2	42	58	0	20	5	57	0	23
0	16	5	44	2	53	57	0	22	6	21	0	24
0	17	5	43	3	3	57	0	23	6	44	0	26
0	18	5	42	3	13	57	0	24	7	8	0	28
0	19	5	41	3	24	56	0	26	7	32	0	29
0	20	5	40	3	35	56	0	27	7	56	0	31
0	21	5	39	3	45	56	0	28	8	19	0	34
0	22	5	38	3	56	55	0	30	8	43	0	34
0	23	5	37	4	6	55	0	32	9	6	0	35
0	24	5	36	4	16	55	0	33	9	30	0	37
0	25	5	35	4	26	54	0	35	9	54	0	48 x
0	26	5	34	4	36	54	0	37	10	18	0	40
0	27	5	33	4	46	53	0	38	10	41	0	41
0	28	5	32	4	56	53	0	40	11	5	0	43
0	29	5	31	5	6	52	0	41	11	28	0	44
0	30	5	30	5	16	52	0	42	11	51	0	46
0	31	5	29	5	26	51	0	44	12	17	0	48
0	32	5	28	5	36	51	0	45	12	38	0	50
0	33	5	27	5	45	50	0	47	13	1	0	51
0	34	5	26	5	55	50	0	48	13	27	0	53
0	35	5	25	6	4	49	0	50	13	48	0	55
0	36	5	24	6	13	49	0	51	14	11	0	56
0	37	5	23	6	22	48	0	53	14	34	0	58
0	38	5	22	6	31	47	0	54	14	57	1	0
0	39	5	21	6	40	47	0	56	15	20	1	1
0	40	5	20	6	49	46	0	57	15	43	1	3
0	41	5	19	6	58	45	0	59	16	6	1	5
0	42	5	18	7	7	45	1	0	16	29	1	6
0	43	5	17	7	16	44	1	2	16	52	1	8
0	44	5	16	7	24	44	1	3	17	15	1	10
0	45	5	15	7	32	43	1	5	17	38	1	11
0	46	5	14	7	41	42	1	6	18	1	1	13
0	47	5	13	7	49	41	1	8	18	24	1	15
0	48	5	12	7	57	40	1	9	18	46	1	16
0	49	5	11	8	5	40	1	11	19	9	1	18
0	50	5	10	8	13	39	1	12	19	31	1	20
0	51	5	9	8	20	38	1	14	19	53	1	22
0	52	5	8	8	27	37	1	15	20	16	1	24
0	53	5	7	8	35	36	1	17	20	38	1	26
0	54	5	6	8	42	35	1	18	21	0	1	28
0	55	5	5	8	50	34	1	20	21	23	1	30
0	56	5	4	8	57	33	1	21	21	45	1	32
0	57	5	3	9	4	32	1	23	22	7	1	34
0	58	5	2	9	11	31	1	24	22	29	1	36
0	59	5	1	9	18	30	1	26	22	51	1	38
1	0	5	0	9	24	30	1	27	23	13	1	40

Tabula equationum martis 2

linee numeri communes				Equatio centri		longitudo longior			Equatio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	1	4	59	9	31	24	1	29	23	37	1	42
1	2	4	58	9	37	28	1	30	23	57	1	44
1	3	4	57	9	43	27	1	32	23	18	1	46
1	4	4	56	9	49	26	1	34	23	40	1	48
1	5	4	55	9	55	25	1	36	24	1	1	50
1	6	4	54	10	0	24	1	37	24	22	1	53
1	7	4	53	10	5	23	1	39	24	44	1	55
1	8	4	52	10	10	22	1	41	25	5	1	57
1	9	4	51	10	15	21	1	43	25	26	1	59
1	10	4	50	10	20	20	1	45	25	40	2	1
1	11	4	49	10	25	19	1	47	26	8	2	3
1	12	4	48	10	29	17	1	49	26	29	2	6
1	13	4	47	10	34	16	1	51	26	50	2	8
1	14	4	46	10	38	17	1	53	27	11	2	10
1	15	4	45	10	42	16	1	55	27	31	2	12
1	16	4	44	10	45	13	1	57	27	52	2	14
1	17	4	43	10	50	12	1	59	28	12	2	16
1	18	4	42	10	53	11	2	1	28	32	2	19
1	19	4	41	10	57	10	2	3	28	52	2	21
1	20	4	40	11	0	9	2	5	29	12	2	23
1	21	4	39	11	3	8	2	8	29	32	2	26
1	22	4	38	11	6	7	2	10	29	52	2	28
1	23	4	37	11	9	5	2	11	31	11	2	30
1	24	4	36	11	12	4	2	14	31	30	2	33
1	25	4	35	11	15	3	2	16	31	49	2	35
1	26	4	34	11	17	2	2	18	32	8	2	38
1	27	4	32	11	19	1	2	20	32	27	2	41
1	28	4	32	11	21	propior	2	23	32	46	2	43
1	29	4	31	11	22	2	2	25	33	4	2	46
1	30	4	30	11	23	3	2	27	33	22	2	49

linee numeri communes				Equatio centri		longitudo longior propior			Equatio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	31	4	29	11	23	4	2	30	33	40	2	52
1	32	4	28	11	24	5	2	32	33	48	2	55
1	33	4	27	11	24	6	2	35	34	13	2	57
1	34	4	26	11	24	7	2	37	34	34	3	0
1	35	4	25	11	24	8	2	39	34	44	3	3
1	36	4	24	11	24	9	2	42	35	6	3	6
1	37	4	23	11	23	10	2	44	35	23	3	9
1	38	4	22	11	23	11	2	47	35	40	3	12
1	39	4	21	11	22	12	2	49	35	56	3	15
1	40	4	20	11	21	13	2	51	36	12	3	19
1	41	4	19	11	20	14	2	54	36	28	3	22
1	42	4	18	11	19	17	2	56	36	43	3	25
1	43	4	17	11	17	16	2	59	36	58	3	28
1	44	4	16	11	15	15	3	1	37	13	3	32
1	45	4	15	11	13	17	3	4	37	27	3	36
1	46	4	14	11	11	18	3	7	37	41	3	39
1	47	4	13	11	9	19	3	10	37	55	3	43
1	48	4	12	11	6	20	3	13	38	9	3	47
1	49	4	11	11	3	21	3	16	38	23	3	50
1	50	4	10	11	0	22	3	19	38	36	3	54
1	51	4	9	10	57	22	3	22	38	48	3	58
1	52	4	8	10	53	23	3	25	39	1	4	1
1	53	4	7	10	49	23	3	28	39	13	4	5
1	54	4	6	10	45	24	3	32	39	24	4	8
1	55	4	5	10	41	25	3	35	39	35	4	13
1	56	4	4	10	37	26	3	39	39	45	4	17
1	57	4	3	10	33	27	3	43	39	54	4	21
1	58	4	2	10	29	28	3	46	40	5	4	26
1	59	4	1	10	25	29	3	50	40	14	4	30
2	0	4	0	10	21	30	3	54	40	25	4	35

Tabula Equacionis Martis Tercia

Linee numeri communes		Equacio centri			Minuta proportionalia		Longitudo longior		Equacio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	10	17	30	3	57	40	30	4	40
2	2	3	58	10	12	31	4	0	40	37	4	47
2	3	3	57	10	6	32	4	4	40	44	4	50
2	4	3	56	10	0	33	4	7	40	49	4	55
2	5	3	55	9	54	34	4	10	40	54	5	0
2	6	3	54	9	48	35	4	14	41	[illegible]	5	5
2	7	3	53	9	41	36	4	17	41	2	5	10
2	8	3	52	9	34	37	4	21	41	5	5	17
2	9	3	51	9	27	38	4	24	41	8	5	21
2	10	3	50	9	20	39	4	28	41	9	5	26
2	11	3	49	9	13	40	4	31	41	[illegible]	5	31
2	12	3	48	9	5	41	4	35	41	10	5	37
2	13	3	47	8	57	41	4	38	41	7	5	43
2	14	3	46	8	49	42	4	42	41	4	5	49
2	15	3	45	8	41	42	4	45	41	0	5	55
2	16	3	44	8	32	43	4	48	40	55	6	1
2	17	3	43	8	23	44	4	52	40	50	6	8
2	18	3	42	8	14	45	4	56	40	47	6	17
2	19	3	41	8	5	46	4	59	40	44	6	21
2	20	3	40	7	56	47	5	3	40	31	6	27
2	21	3	39	7	47	47	5	7	40	24	6	34
2	22	3	38	7	37	48	5	11	40	8	6	41
2	23	3	37	7	27	45	5	17	39	53	6	47
2	24	3	36	7	17	49	5	18	39	40	6	53
2	25	3	35	7	7	49	5	22	39	20	6	59
2	26	3	34	5	57	50	5	27	39	1	7	6
2	27	3	33	6	47	50	5	28	38	40	7	12
2	28	3	32	6	37	50	5	30	38	10	7	19
2	29	3	31	6	26	51	5	32	38	51	7	24
2	30	3	30	6	16	51	5	34	38	27	7	30

Linee numeri communes		Equacio centri			Minuta proportionalia		Longitudo longior		Equacio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	31	3	29	6	5	52	5	36	30	[illegible]	7	37
2	32	3	28	5	54	[illegible]	5	52	37	36	27	7 40
2	33	3	27	5	44	53	5	38	37	55	7	44
2	34	3	26	5	32	53	5	35	37	45	7	50
2	35	3	25	5	21	54	5	38	34	37	7	54
2	36	3	24	5	9	55	5	38	33	5	24	58
2	37	3	23	4	57	55	5	37	33	7	8	0
2	38	3	22	4	45	56	5	36	33	20	8	2
2	39	3	21	4	32	56	5	34	31	30	8	3
2	40	3	20	4	20	57	5	30	50	36	8	2
2	41	3	19	4	8	57	5	27	24	38	8	0
2	42	3	18	3	55	58	5	18	28	37	7	58
2	43	3	17	3	43	58	5	10	24	58	14	57
2	44	3	16	3	31	58	5	1	20	16	7	51
2	45	3	15	3	18	58	4	52	23	3	7	47
2	46	3	14	3	5	58	4	44	27	47	7	34
2	47	3	13	2	52	54	4	30	22	29	7	26
2	48	3	12	2	39	54	4	18	24	0	1	6
2	49	3	11	2	26	54	4	4	14	29	6	42
2	50	3	10	2	13	59	3	48	17	58	6	16
2	51	3	9	1	59	59	3	32	10	26	5	44
2	52	3	8	1	46	59	3	12	14	45	5	22
2	53	3	7	1	33	59	2	50	13	1	4	54
2	54	3	6	1	20	60	2	27	11	15	4	20
2	55	3	5	1	7	60	2	4	4	27	3	46
2	56	3	4	0	54	60	1	40	4	37	3	3
2	57	3	3	0	40	60	1	5	7	47	2	20
2	58	3	2	0	27	60	0	53	13	21	1	37
2	59	3	1	0	14	60	0	26	1	7	0	44
2	60	3	0	0	0	60	0	0	0	0	0	0

Tabula Equacionum Veneris Prima

Linee numeri communes				Equacio centri		Minuta proporcionalia	Longitudo longior		Equacio argumenti		Longitudo propior	
S	G	S	G	G	m	m	G	m	G	m	G	m
0	1	5	59	0	2	60	0	0	0	26	0	0
0	2	5	58	0	4	60	0	1	0	51	0	1
0	3	5	57	0	6	60	0	1	1	16	0	1
0	4	5	56	0	9	60	0	1	1	41	0	1
0	5	5	55	0	11	60	0	1	2	6	0	2
0	6	5	54	0	13	60	0	1	2	31	0	2
0	7	5	53	0	15	60	0	1	2	56	0	2
0	8	5	52	0	17	59	0	1	3	21	0	3
0	9	5	51	0	19	59	0	2	3	46	0	3
0	10	5	50	0	21	59	0	2	4	11	0	3
0	11	5	49	0	24	59	0	2	4	36	0	4
0	12	5	48	0	26	59	0	3	5	1	0	4
0	13	5	47	0	28	58	0	3	5	26	0	4
0	14	5	46	0	30	58	0	3	5	51	0	5
0	15	5	45	0	32	58	0	4	6	16	0	5
0	16	5	44	0	34	57	0	4	6	41	0	5
0	17	5	43	0	36	57	0	4	7	6	0	6
0	18	5	42	0	38	57	0	5	7	31	0	6
0	19	5	41	0	41	56	0	5	7	56	0	6
0	20	5	40	0	43	56	0	5	8	21	0	7
0	21	5	39	0	45	56	0	6	8	46	0	7
0	22	5	38	0	47	55	0	6	9	11	0	7
0	23	5	37	0	49	55	0	6	9	36	0	8
0	24	5	36	0	51	55	0	7	10	1	0	8
0	25	5	35	0	53	54	0	7	10	26	0	8
0	26	5	34	0	55	54	0	7	10	51	0	9
0	27	5	33	0	57	53	0	8	11	16	0	9
0	28	5	32	0	59	53	0	8	11	41	0	9
0	29	5	31	1	1	52	0	9	12	6	0	10
0	30	5	30	1	3	52	0	9	12	30	0	10
0	31	5	29	1	5	51	0	9	12	55	0	10
0	32	5	28	1	7	51	0	10	13	20	0	11
0	33	5	27	1	9	50	0	10	13	44	0	11
0	34	5	26	1	10	50	0	10	14	9	0	11
0	35	5	25	1	12	49	0	11	14	34	0	11
0	36	5	24	1	14	49	0	11	14	58	0	12
0	37	5	23	1	16	48	0	11	15	23	0	12
0	38	5	22	1	17	48	0	12	15	48	0	12
0	39	5	21	1	19	48	0	12	16	12	0	12
0	40	5	20	1	21	48	0	12	16	37	0	13
0	41	5	19	1	22	47	0	13	17	1	0	13
0	42	5	18	1	24	47	0	13	17	25	0	
0	46	5	17	1	26	46	0	13	17	50	0	13
0	47	5	16	1	27	45	0	14	18	14	0	14
0	48	5	15	1	29	45	0	14	18	38	0	14
0	49	5	14	1	31	43	0	14	19	3	0	14
0	50	5	13	1	32	43	0	15	19	27	0	15
0	51	5	12	1	34	42	0	15	19	51	0	15
0	52	5	11	1	36	41	0	15	20	15	0	15
0	53	5	10	1	37	[illegible]	0	16	20	39	0	16
0	54	5	9	1	39	[illegible]	0	16	21	3	0	16
0	56	5	8	1	40	[illegible]	0	16	21	27	0	16
0	57	5	7	1	42	37	0	17	21	51	0	17
0	58	5	6	1	43	36	0	17	22	15	0	17
0	59	5	5	1	44	35	0	17	22	39	0	17
0	60	5	4	1	45	34	0	18	23	3	0	18
0	61	5	3	1	47	33	0	18	23	27	0	18
0	62	5	2	1	48	32	0	18	23	51	0	18
0	63	5	1	1	50	31	0	19	24	15	0	19
1	64	5	0	1	51	30	0	19	24	38	0	19

Tabula Equacionum veneris secunda

Linee numeri communes				Equacio centri		Minuta longitudinis longioris propioris	Equacio longitudinis medie				Equacio longitudinis propioris	
S	G	S	G	G	M	M	S	G	M	2	S	G
1	1	4	59	1	52	29	0	19	25	2	0	19
1	2	4	58	1	53	28	0	20	25	27	0	20
1	3	4	57	1	54	27	0	20	25	44	0	20
1	4	4	56	1	55	26	0	20	26	11	0	21
1	5	4	55	1	56	25	0	21	26	34	0	21
1	6	4	54	1	57	24	0	21	26	57	0	22
1	7	4	53	1	58	23	0	22	27	20	0	22
1	8	4	52	1	59	22	0	22	27	43	0	23
1	9	4	51	2	0	21	0	23	28	6	0	24
1	10	4	50	2	1	20	0	23	28	29	0	24
1	11	4	49	2	1	19	0	24	28	52	0	24
1	12	4	48	2	2	18	0	24	29	14	0	25
1	13	4	47	2	3	16	0	25	29	37	0	25
1	14	4	46	2	3	15	0	25	29	59	0	26
1	15	4	45	2	4	14	0	25	30	21	0	27
1	16	4	44	2	5	13	0	26	30	43	0	27
1	17	4	43	2	5	12	0	26	31	5	0	28
1	18	4	42	2	6	11	0	26	31	27	0	28
1	19	4	41	2	6	10	0	27	31	49	0	29
1	20	4	40	2	7	9	0	27	32	11	0	29
1	21	4	39	2	7	8	0	28	32	33	0	30
1	22	4	38	2	8	7	0	28	32	55	0	30
1	23	4	37	2	8	6	0	29	33	17	0	31
1	24	4	36	2	9	5	0	30	33	38	0	31
1	25	4	35	2	9	4	0	30	34	0	0	32
1	26	4	34	2	9	3	0	31	34	21	0	32
1	27	4	33	2	9	2	0	32	34	42	0	33
1	28	4	32	2	10	1	0	32	35	3	0	34
1	29	4	31	2	10	1 propior	0	33	35	24	0	34
1	30	4	30	2	10	2	0	33	35	44	0	34

Linee numeri communes				Equacio centri		Minuta longitudinis propior	Equacio longitudinis medie				Equacio longitudinis propior	
S	G	S	G	G	M	M	S	G	M	2	S	G
1	31	4	29	2	10	3	0	34	36	4	0	35
1	32	4	28	2	10	4	0	35	36	24	0	36
1	33	4	27	2	10	5	0	35	36	44	0	37
1	34	4	26	2	10	6	0	36	37	4	0	37
1	35	4	25	2	10	7	0	36	37	25	0	38
1	36	4	24	2	10	8	0	37	37	45	0	38
1	37	4	23	2	10	9	0	37	38	2	0	39
1	38	4	22	2	10	10	0	38	38	21	0	40
1	39	4	21	2	9	11	0	38	38	40	0	40
1	40	4	20	2	9	12	0	39	38	59	0	41
1	41	4	19	2	9	13	0	39	39	17	0	42
1	42	4	18	2	8	14	0	40	39	35	0	43
1	43	4	17	2	8	15	0	41	39	53	0	43
1	44	4	16	2	7	16	0	41	40	11	0	44
1	45	4	15	2	7	17	0	42	40	29	0	45
1	46	4	14	2	6	18	0	43	40	46	0	46
1	47	4	13	2	6	19	0	43	41	3	0	47
1	48	4	12	2	5	20	0	44	41	20	0	48
1	49	4	10	2	4	21	0	45	41	37	0	48
1	50	4	10	2	4	22	0	46	41	53	0	49
1	51	4	9	2	4	23	0	47	42	9	0	50
1	52	4	8	2	3	24	0	48	42	24	0	51
1	53	4	7	2	2	25	0	49	42	39	0	52
1	54	4	6	2	1	26	0	50	42	53	0	52
1	55	4	5	2	0	27	0	51	43	7	0	53
1	56	4	4	1	59	28	0	52	43	21	0	54
1	57	4	3	1	58	29	0	53	43	35	0	55
1	58	4	2	1	57	30	0	53	43	48	0	56
1	59	4	1	1	56	31	0	54	44	1	0	56
2	0	4	0	1	55	31	0	54	44	13	0	57

Tabula Equacionum veneris Tercia

Linee numeri communis				Equacio centri		minuta proportionalia	longitudo longior		Equacio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	1	54	32	0	55	44	27	0	58
2	2	3	58	1	53	33	0	56	44	36	0	59
2	3	3	57	1	52	34	0	57	44	47	1	0
2	4	3	56	1	50	35	0	58	44	59	1	1
2	5	3	55	1	49	36	0	59	45	6	1	2
2	6	3	54	1	48	37	1	0	45	14	1	3
2	7	3	53	1	46	38	1	1	45	21	1	5
2	8	3	52	1	45	39	1	2	45	27	1	6
2	9	3	51	1	44	40	1	3	45	33	1	8
2	10	3	50	1	42	40	1	4	45	39	1	9
2	11	3	49	1	41	41	1	5	45	45	1	10
2	12	3	48	1	39	42	1	6	45	50	1	11
2	13	3	47	1	38	43	1	7	45	54	1	12
2	14	3	46	1	36	44	1	9	45	57	1	13
2	15	3	45	1	34	44	1	10	45	59	1	15
2	16	3	44	1	33	45	1	11	45	59	1	16
2	17	3	43	1	31	46	1	12	45	58	1	17
2	18	3	42	1	30	46	1	14	45	57	1	19
2	19	3	41	1	28	47	1	15	45	55	1	20
2	20	3	40	1	26	48	1	17	45	51	1	22
2	21	3	39	1	24	48	1	19	45	46	1	23
2	22	3	38	1	23	49	1	21	45	39	1	24
2	23	3	37	1	21	49	1	23	45	31	1	25
2	24	3	36	1	19	50	1	24	45	21	1	27
2	25	3	35	1	17	50	1	26	45	9	1	28
2	26	3	34	1	15	51	1	28	44	55	1	30
2	27	3	33	1	13	51	1	29	44	39	1	32
2	28	3	32	1	11	52	1	31	44	21	1	34
2	29	3	31	1	9	52	1	32	44	1	1	36
2	30	3	30	1	7	53	1	33	43	39	1	38

Linee numeri communis				Equacio centri		minuta proportionalia	longitudo longior		Equacio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	31	3	29	1	5	53	1	35	43	17	1	40
2	32	3	28	1	3	54	1	36	42	44	1	42
2	33	3	27	1	1	54	1	37	42	18	1	44
2	34	3	26	0	59	55	1	38	41	45	1	46
2	35	3	25	0	57	55	1	39	41	8	1	47
2	36	3	24	0	55	55	1	39	40	28	1	48
2	37	3	23	0	52	56	1	40	39	45	1	49
2	38	3	22	0	50	56	1	40	[illegible]	28	1	50
2	39	3	21	0	48	56	1	41	[illegible]	7	1	51
2	40	3	20	0	46	57	1	41	37	12	1	51
2	41	3	19	0	44	57	1	42	36	12	1	52
2	42	3	18	0	42	57	1	42	35	7	1	52
2	43	3	17	0	40	57	1	43	33	54	1	52
2	44	3	16	0	37	58	1	40	32	43	1	51
2	45	3	15	0	35	58	1	38	31	24	1	50
2	46	3	14	0	33	58	1	36	29	48	1	49
2	47	3	13	0	31	58	1	34	[illegible]	27	1	46
2	48	3	12	0	28	58	1	31	26	40	1	43
2	49	3	11	0	26	59	1	38	[illegible]	52	1	38
2	50	3	10	0	24	[illegible]	1	24	23	12	1	33
2	51	3	9	0	21	[illegible]	1	19	21	17	1	27
2	52	3	8	0	19	59	1	12	[illegible]	11	1	21
2	53	3	7	0	17	59	1	4	17	2	1	14
2	54	3	6	0	14	[illegible]	0	57	14	44	1	6
2	55	3	5	0	12	60	0	48	12	26	0	57
2	56	3	4	0	10	60	0	40	10	4	0	46
2	57	3	3	0	7	60	0	31	7	38	0	35
2	58	3	2	0	5	60	0	21	5	9	0	24
2	59	3	1	0	3	60	0	11	2	36	0	12
2	0	3	0	0	0	60	0	0	0	0	0	0

Tabula equationis Mercurii prima

Linee numeri communes				Equatio centri		minuta proportionalia	longior		Equatio argumenti		longior propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	1	5	59	0	3	60	0	2	0	17	0	1
0	2	5	58	0	6	60	0	4	0	33	0	2
0	3	5	57	0	9	60	0	5	0	49	0	3
0	4	5	56	0	12	59	0	7	1	5	0	4
0	5	5	55	0	15	59	0	9	1	22	0	4
0	6	5	54	0	17	59	0	10	1	38	0	5
0	7	5	53	0	20	58	0	12	1	55	0	6
0	8	5	52	0	23	58	0	14	2	11	0	7
0	9	5	51	0	25	58	0	15	2	27	0	8
0	10	5	50	0	28	57	0	17	2	44	0	9
0	11	5	49	0	30	57	0	19	3	6	0	10
0	12	5	48	0	35	57	0	20	3	16	0	11
0	13	5	47	0	38	56	0	22	3	32	0	12
0	14	5	46	0	40	56	0	23	3	48	0	13
0	15	5	45	0	43	55	0	24	4	5	0	14
0	16	5	44	0	45	55	0	26	4	21	0	15
0	17	5	43	0	48	54	0	28	4	37	0	16
0	18	5	42	0	50	54	0	29	4	53	0	17
0	19	5	41	0	53	53	0	31	5	9	0	18
0	20	5	40	0	55	53	0	33	5	25	0	19
0	21	5	39	0	58	52	0	34	5	41	0	20
0	22	5	38	0	[illegible]	51	0	36	5	57	0	21
0	23	5	37	1	2	51	0	38	6	13	0	22
0	24	5	36	1	5	50	0	39	6	29	0	23
0	25	5	35	1	8	49	0	41	6	45	0	24
0	26	5	34	1	10	48	0	43	7	1	0	25
0	27	5	32	1	13	47	0	44	7	17	0	26
0	28	5	32	1	13	46	0	46	7	33	0	27
0	29	5	31	1	15	45	0	48	7	49	0	27
0	30	5	30	1	17	44	0	49	8	4	0	28

Linee numeri communes				Equatio centri		minuta proportionalia	longior		Equatio argumenti		longior propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	31	5	29	1	20	[illegible]	0	51	8	20	0	29
0	32	5	28	1	23	[illegible]	0	53	8	35	0	30
0	33	5	27	1	25	[illegible]	0	54	8	50	0	31
0	34	5	26	1	28	[illegible]	0	56	9	6	0	32
0	35	5	25	1	30	39	0	58	9	21	0	33
0	36	5	24	1	33	38	0	59	9	36	0	34
0	37	5	23	1	36	[illegible]	1	1	9	51	0	35
0	38	5	22	1	38	35	1	2	10	6	0	36
0	39	5	21	1	40	34	1	4	10	21	0	37
0	40	5	20	1	43	33	1	5	10	36	0	38
0	41	5	19	1	45	32	1	7	10	5	0	39
0	42	5	18	1	48	31	1	8	11	6	0	40
0	43	5	17	1	50	29	1	10	11	21	0	41
0	44	5	16	1	52	28	1	12	11	36	0	42
0	45	5	15	1	54	27	1	13	11	50	0	43
0	46	5	14	1	57	25	1	15	12	5	0	44
0	47	5	13	1	59	24	1	16	12	19	0	45
0	48	5	12	2	1	23	1	18	12	34	0	46
0	49	5	11	2	4	21	1	20	12	48	0	47
0	50	5	10	2	6	20	1	22	13	2	0	48
0	51	5	9	2	8	19	1	23	13	16	0	48
0	52	5	8	2	10	17	1	25	13	30	0	49
0	53	5	7	2	12	16	1	27	13	44	0	50
0	54	5	6	2	14	15	1	28	13	58	0	51
0	55	5	5	2	16	13	1	30	14	12	0	52
0	56	5	4	2	18	12	1	32	14	26	0	53
0	57	5	3	2	19	11	1	34	14	39	0	53
0	58	5	2	2	21	9	1	36	14	52	0	54
0	59	5	1	2	23	8	1	38	15	11	0	55
1	0	5	0	2	25	7	1	34	15	18	0	56

male

Tabula Equationum Mercurij Secunda

linee numeri communes			Equatio centri			longior in ppᵃ	longitudo longior		Equatio		longitudo superior			linee numeri		minuta	centri		in ppᵃ superior	longitudo longior		Equatio argumenti		longitudo superior	
G	G	G	G	G	m	m	G	m	G	m	G	m	G	G	G	G	G	m	m	G	m	G	m	G	m
1	1	4	59	2	27	5	1	41	15	31	0	57	1	31	4	29	3	1	45	2	31	20	40	1	30
1	2	4	58	2	29	4	1	43	15	44	0	58	1	32	4	28	3	1	47	2	33	20	40	0	31
1	3	4	57	2	31	2	1	44	15	56	1	0	1	33	4	27	3	2	48	2	34	20	40	0	32
1	4	4	56	2	33	1	1	46	16	9	1	1	1	34	4	26	3	2	49	2	36	21	1	1	33
1	5	4	55	2	34	superior 1	1	48	16	21	1	2	1	35	4	25	3	2	50	2	38	21	7	1	34
1	6	4	54	2	36	2	1	49	16	33	1	4	1	36	4	24	3	2	57	2	39	21	13	1	35
1	7	4	53	2	38	4	1	51	16	45	1	5	1	37	4	23	3	2	51	2	41	21	19	1	36
1	8	4	52	2	40	6	1	53	16	57	1	6	1	38	4	22	3	1	52	2	43	21	24	1	37
1	9	4	51	2	41	8	1	54	17	9	1	7	1	39	4	21	3	1	53	2	44	20	29	1	38
1	10	4	50	2	43	10	1	56	17	21	1	8	1	40	4	20	3	0	54	2	46	20	34	1	39
1	11	4	49	2	44	12	1	58	17	32	1	9	1	41	4	19	3	0	55	2	48	21	38	1	40
1	12	4	48	2	45	14	1	59	17	43	1	11	1	42	4	18	3	59	56	2	49	21	42	1	41
1	13	4	47	2	46	16	2	1	17	54	1	12	1	43	4	17	2	59	57	2	50	21	46	1	42
1	14	4	46	2	48	18	2	3	18	5	1	13	1	44	4	16	2	58	57	2	52	21	49	1	43
1	15	4	45	2	49	20	2	4	18	16	1	14	1	45	4	15	2	58	58	2	53	21	22	1	44
1	16	4	44	2	50	22	2	6	18	27	1	15	1	46	4	14	2	57	58	2	55	21	25	1	45
1	17	4	43	2	51	24	2	8	18	37	1	16	1	47	4	13	2	56	58	2	57	21	27	1	46
1	18	4	42	2	52	25	2	10	18	47	1	17	1	48	4	12	2	55	59	2	58	21	29	1	47
1	19	4	41	2	53	27	2	12	18	57	1	18	1	49	4	11	2	54	59	3	0	21	0	1	48
1	20	4	40	2	54	29	2	13	19	7	1	19	1	50	4	10	2	53	59	3	1	22	1	1	49
1	21	4	39	2	55	30	2	14	19	16	1	20	1	51	4	9	2	52	60	3	2	22	2	1	50
1	22	4	38	2	56	32	2	16	19	25	1	21	1	52	4	8	2	51	60	3	3	22	2	1	51
1	23	4	37	2	57	34	2	18	19	34	1	22	1	53	4	7	2	50	60	3	3	22	1	1	52
1	24	4	36	2	58	35	2	19	19	44	1	23	1	54	4	6	2	49	60	3	4	22	0	1	53
1	25	4	35	2	58	37	2	21	19	23	1	24	1	55	4	5	2	48	60	3	4	22	59	1	54
1	26	4	34	2	59	38	2	23	20	2	1	25	1	56	4	4	2	46	60	3	5	21	58	1	55
1	27	4	33	2	59	40	2	24	20	10	1	26	1	57	4	3	2	45	60	3	6	21	56	1	55
1	28	4	32	3	0	41	2	26	20	18	1	26	1	58	4	2	2	44	60	3	6	21	53	1	56
1	29	4	31	3	0	43	2	28	20	25	1	28	1	59	4	1	2	41	60	3	7	21	50	1	[illegible]
1	30	4	30	3	1	44	2	29	20	33	1	29	.	0	4	0	2	41	longior 50	3	8	21	47	1	57
1																									

Tabula equationum Mercurii Tercia

Linee numeri communis				Equatio centri		Minuta proportionalia	Longitudo longior		Equatio argumenti		Longitudo propior		Linee numeri communes				Equatio centri		Minuta proportionalia	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M	S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	2	39	60	3	8	21	43	1	58	2	31	3	29	1	30	44	2	39	15	8	1	47
2	2	3	58	2	37	60	3	9	21	38	1	58	2	32	3	28	1	27	44	2	37	14	44	1	43
2	3	3	57	2	35	60	3	9	21	33	1	58	2	33	3	27	1	24	44	2	32	14	20	1	41
2	4	3	56	2	34	59	3	9	21	27	1	59	2	34	3	26	1	21	45	2	29	13	55	1	39
2	5	3	55	2	32	59	3	10	21	21	1	59	2	35	3	25	1	18	45	2	25	13	29	1	37
2	6	3	54	2	30	59	3	10	21	17	1	59	2	36	3	24	1	15	44	2	21	13	3	1	34
2	7	3	53	2	28	57	3	11	21	8	2	0	2	37	3	23	1	12	45	2	17	12	36	1	32
2	8	3	52	2	26	58	3	11	21	1	2	0	2	38	3	22	1	9	44	2	15	12	9	1	29
2	9	3	51	2	24	58	3	12	20	53	2	0	2	39	3	21	1	6	44	2	9	11	44	1	26
2	10	3	50	2	22	58	3	12	20	44	2	0	2	40	3	20	1	3	43	2	5	11	12	1	23
2	11	3	49	2	20	57	3	12	20	35	2	1	2	41	3	19	1	0	43	2	0	10	43	1	20
2	12	3	48	2	18	57	3	11	20	25	2	1	2	42	3	18	0	57	43	1	55	10	13	1	17
2	13	3	47	2	16	57	3	11	20	14	2	1	2	43	3	17	0	54	42	1	50	9	43	1	14
2	14	3	46	2	14	56	3	10	20	2	2	1	2	44	3	16	0	51	42	1	44	9	11	1	10
2	15	3	45	2	11	56	3	9	19	50	2	1	2	45	3	15	0	48	42	1	38	8	40	1	7
2	16	3	44	2	9	56	3	8	19	37	2	1	2	46	3	14	0	45	42	1	32	8	7	1	4
2	17	3	43	2	7	55	3	7	19	24	2	0	2	47	3	13	0	42	41	1	26	7	34	1	0
2	18	3	42	2	4	54	3	6	19	10	2	0	2	48	3	12	0	39	41	1	19	7	1	0	56
2	19	3	41	2	2	53	3	5	18	55	2	0	2	49	3	11	0	35	41	1	13	6	27	0	52
2	20	3	40	2	0	53	3	4	18	40	2	0	2	50	3	10	0	32	41	1	7	5	53	0	47
2	21	3	39	1	57	52	3	2	18	24	2	0	2	51	3	9	0	28	41	1	1	5	19	0	43
2	22	3	38	1	55	52	3	1	18	7	1	59	2	52	3	8	0	25	41	0	55	4	44	0	38
2	23	3	37	1	52	51	2	59	17	50	1	59	2	53	3	7	0	22	40	0	48	4	10	0	33
2	24	3	36	1	49	51	2	57	17	32	1	58	2	54	3	6	0	18	40	0	42	3	35	0	28
2	25	3	35	1	47	50	2	55	17	14	1	57	2	55	3	5	0	15	40	0	35	3	0	0	24
2	26	3	34	1	45	49	2	53	16	55	1	55	2	56	3	4	0	13	40	0	28	2	24	0	19
2	27	3	33	1	41	50	2	51	16	35	1	53	2	57	3	3	0	9	40	0	21	1	48	0	14
2	28	3	32	1	38	49	2	49	16	14	1	51	2	58	3	2	0	6	40	0	14	1	12	0	10
2	29	3	31	1	35	48	2	47	15	53	1	49	2	59	3	1	0	3	40	0	7	0	36	0	5
2	30	3	30	1	3[?]	45	2	42	15	31	1	47	2	60	3	0	0	0	40	0	0	0	0	0	0

Tabula Equacionum dierum cum noctibus suis

linea	Capricornus		Aquarius		Piscis		Aries		Taurus		Gemini		Cancer		Leo		Virgo		Libra		Scorpio		Sagittarius	
numeri	Equacio		Equacio		Equacio		Equacio		Equacio		Equacio		Equacio		Equacio		Equacio		Equacio		Equacio		Equacio	
Gradus	dierum		dierum		dierum		dierum		dierum		dierum		dierum		dierum		dierum		dierum		dierum		dierum	
Equales	hore	minuta	hore	minuta	hore	minuta	hore	minuta	hore	minuta	hore	minuta	hore	minuta	hore	minuta	hore	minuta	hore	minuta	hore	minuta	hore	minuta
1	3	46	0	38	0	9	2	7	4	33	5	19	4	4	2	51	3	43	6	5	7	53	7	5
2	3	37	0	34	0	11	2	12	4	36	5	17	4	1	2	50	3	47	6	10	7	54	7	0
3	3	29	0	31	0	13	2	17	4	39	5	15	3	57	2	50	3	51	6	15	7	54	6	55
4	3	22	0	27	0	15	2	22	4	43	5	14	3	44	2	50	3	55	6	20	7	55	6	50
5	3	14	0	23	0	18	2	27	4	46	5	13	3	50	2	49	3	59	6	25	7	55	6	45
6	3	7	0	21	0	21	2	33	4	49	5	12	3	47	2	50	6	4	6	30	7	56	6	40
7	3	0	0	19	0	23	2	38	4	53	5	10	3	44	2	51	[illegible]	8	6	35	7	56	6	34
8	2	52	0	16	0	26	2	42	4	56	5	8	3	41	2	51	6	12	6	40	7	57	6	28
9	2	45	0	14	0	30	2	48	4	58	5	6	3	38	2	52	6	17	6	44	7	57	6	22
10	2	38	0	12	0	33	2	53	4	1	5	4	3	35	2	52	6	22	6	48	7	56	6	16
11	2	31	0	10	0	37	2	59	4	3	5	1	3	32	2	54	6	26	6	53	7	56	6	10
12	2	24	0	8	0	40	3	4	4	6	4	59	3	28	2	56	6	31	6	57	7	55	6	2
13	2	17	0	6	0	44	3	9	4	9	4	57	3	25	2	58	6	36	7	1	7	55	5	58
14	2	10	0	4	0	48	3	15	4	10	4	55	3	22	2	58	6	40	7	5	7	55	5	52
15	2	3	0	3	0	52	3	21	5	12	4	52	3	19	3	0	6	46	7	8	7	53	5	45
16	1	57	0	2	0	56	3	27	5	14	4	49	3	16	3	2	6	50	7	12	7	51	5	38
17	1	51	0	1	1	1	3	31	5	15	4	46	3	13	3	5	6	56	7	16	7	50	5	30
18	1	45	0	0	1	5	3	36	5	17	4	43	3	12	3	7	5	1	7	20	7	48	5	23
19	1	39	0	0	1	9	3	40	5	18	4	40	3	9	3	9	5	6	7	23	7	46	5	16
20	1	33	0	0	1	14	3	45	5	19	4	37	3	7	3	11	5	11	7	26	7	44	5	9
21	1	27	0	0	1	19	3	50	5	19	4	34	3	5	3	14	5	16	7	29	7	41	5	2
22	1	22	0	0	1	23	3	55	5	20	4	31	3	3	3	17	5	20	7	32	7	38	4	55
23	1	16	0	0	1	28	4	0	5	20	4	28	3	1	3	20	5	25	7	35	7	36	4	48
24	1	10	0	0	1	33	4	4	5	20	4	55	3	59	3	23	5	30	7	38	7	32	4	40
25	1	5	0	0	1	37	4	9	5	21	4	22	2	57	3	26	5	35	7	41	7	28	4	32
26	1	1	0	1	1	42	4	13	5	21	4	19	2	56	3	29	5	40	7	43	7	25	4	24
27	0	57	0	2	1	47	4	17	5	21	4	16	2	55	3	31	5	45	7	45	7	21	4	17
28	0	52	0	3	1	52	4	21	5	20	4	13	2	54	3	33	5	50	7	47	7	17	4	9
29	0	47	0	4	1	57	4	25	5	20	4	10	2	53	3	35	5	55	7	49	7	14	4	2
30	0	42	0	6	[illegible]	2	4	29	5	20	4	7	2	52	3	37	6	0	7	51	7	10	3	54

Tabula veri motus luminarium in una hora ex vero motu dist.

Linee numeri communes		Motus solis in una hora			Motus lune in una hora			Motus ... in uno minuto distancie			Motus lune in minuto distancie		
Gra	Gradus	M	2	3	M	2	3	M	2	3	M	2	3
0	360	2	22	30	29	37	13	0	57	0	11	50	53
6	354	2	22	33	29	39	19	0	57	1	11	51	43
12	348	2	22	35	29	42	6	0	57	2	11	52	50
18	342	2	22	38	29	46	17	0	57	3	11	54	31
24	336	2	22	55	29	51	51	0	57	10	11	56	44
30	330	2	23	15	29	59	31	0	57	17	11	59	48
36	324	2	23	27	30	8	34	0	57	26	12	3	25
42	318	2	23	44	30	19	43	0	57	29	12	7	53
48	312	2	24	7	30	32	15	0	57	38	12	12	54
54	306	2	24	34	30	46	53	0	57	49	12	18	45
60	300	2	25	8	31	2	55	0	58	3	12	25	10
66	294	2	25	43	31	18	55	0	58	18	12	31	34
72	288	2	26	12	31	37	45	0	58	24	12	39	6
78	282	2	26	39	31	57	15	0	58	39	12	46	54
84	276	2	27	7	32	16	45	0	58	51	12	54	42
90	270	2	27	46	32	39	45	0	59	5	13	3	54
96	264	2	28	28	33	8	31	0	59	23	13	14	13
102	258	2	28	53	33	30	36	0	59	33	13	21	28
108	252	2	29	20	33	49	25	0	59	44	13	31	46
114	246	2	30	14	34	10	29	1	0	5	13	40	8
120	240	2	30	46	34	35	25	1	0	18	13	50	10
126	234	2	31	23	34	58	23	1	0	33	13	59	58
132	228	2	31	38	35	18	25	1	0	49	14	7	47
138	222	2	32	15	35	38	47	1	0	53	14	15	32
144	216	2	32	25	35	57	36	1	0	58	14	23	3
150	210	2	33	2	36	13	37	1	1	3	14	29	27
156	204	2	33	7	36	28	15	1	1	11	14	35	18
162	198	2	33	9	36	38	0	1	1	15	14	39	12
168	192	2	33	21	36	46	22	1	1	20	14	44	35
174	186	2	33	32	36	53	15	1	1	25	14	45	18
180	180	2	33	40	36	58	54	1	1	28	14	47	33

[illegible]

Ascensiones signorum ad latitudinem 51 gradus

Gradus equales	Aries ascensiones G	M	partes horarum G	M	Thaurus ascensiones G	M	partes horarum G	M	Gemini ascensiones G	M	partes horarum G	M	Cancer ascensiones G	M	partes horarum G	M	Leo ascensiones G	M	partes horarum G	M	Virgo ascensiones G	M	partes horarum G	M
1	0	27	15	5	13	35	17	33	31	3	19	37	56	0	20	31	96	9	19	21	135	46	17	44
2	0	50	15	10	14	5	17	37	31	47	19	41	57	9	20	30	97	3	19	17	140	12	17	19
3	1	15	15	14	14	37	17	42	32	30	19	44	58	50	20	30	98	56	19	23	141	38	17	14
4	1	40	15	20	15	4	17	44	33	14	19	47	59	40	20	29	100	20	19	20	143	4	17	9
5	2	6	15	25	15	34	17	51	33	58	19	51	60	34	20	29	101	44	19	16	144	31	17	4
6	2	31	15	30	15	5	17	56	34	47	19	54	61	44	20	29	102	8	19	13	145	55	16	59
7	2	56	15	35	16	36	18	0	35	32	19	57	62	44	20	28	104	33	19	9	147	21	16	54
8	3	21	15	40	17	7	18	5	35	19	20	0	63	42	20	27	107	58	19	5	148	46	16	49
9	3	46	15	47	17	38	18	10	37	6	20	3	64	1	20	26	107	23	19	1	150	11	16	44
10	4	12	15	50	18	9	18	10	37	53	20	5	65	34	20	25	108	48	18	57	151	37	16	39
11	4	31	15	55	18	41	18	14	38	49	20	7	66	41	20	23	110	12	18	53	153	1	16	35
12	5	2	16	0	19	12	18	19	39	37	20	9	67	57	20	21	111	37	18	49	154	27	16	30
13	5	28	16	5	19	46	18	23	40	26	20	11	67	57	20	19	113	2	18	45	155	48	16	25
14	5	53	16	10	20	18	18	27	41	17	20	13	69	29	20	17	114	27	18	41	157	11	16	20
15	6	19	16	15	20	52	18	32	42	8	20	17	70	44	20	15	115	52	18	36	158	34	16	15
16	6	45	16	20	21	27	18	36	43	2	20	17	71	51	20	13	117	17	18	32	160	1	16	10
17	7	11	16	25	22	3	18	41	43	56	20	19	77	9	20	11	118	43	18	27	161	28	16	5
18	7	38	16	30	22	38	18	47	44	50	20	21	74	39	20	9	120	9	18	23	162	55	16	0
19	8	4	16	35	23	14	18	49	45	44	20	23	75	58	20	7	121	35	18	19	164	21	15	55
20	8	31	16	39	23	50	18	53	46	39	20	25	81	51	20	5	123	1	18	14	165	49	15	50
21	8	58	16	44	24	27	19	57	47	39	20	26	83	31	20	3	124	26	18	10	167	16	15	44
22	9	25	16	49	25	6	19	1	48	39	20	27	83	51	20	0	125	52	18	5	168	41	15	40
23	9	52	16	54	25	43	19	5	49	39	20	28	85	12	19	57	127	18	18	0	170	6	15	35
24	10	19	16	59	26	20	19	9	50	39	20	29	86	33	19	54	128	44	17	56	171	31	15	30
25	10	41	17	4	26	55	19	13	51	39	20	29	87	54	19	51	130	10	17	51	172	56	15	25
26	10	51	17	9	27	38	19	16	52	41	20	29	89	16	19	47	131	36	17	47	174	20	15	20
27	11	44	17	14	28	19	19	20	53	44	20	29	90	38	19	44	133	32	17	42	175	46	15	15
28	12	5	17	19	28	59	19	23	55	41	20	30	92	38	19	41	133	28	17	37	176	41	15	10
29	12	39	17	24	29	40	19	20	57	50	20	31	93	59	19	37	137	44	17	33	177	36	15	5
30	13	6	17	28	30	20	19	34	56	55	20	31	98	46	19	34	134	20	17	28	180	0	15	0

Residuum Tabule precedentis

Gradus	Libra: ascensiones, partes horarum	Scorpio	Sagittarius	Capricornus	Aquarius	Pisces
Gradus: Ascensiones, partes horarum: signorum gradus minuta	asc. / pt. hor. signorum gradus minuta	asc. / pt. hor. signorum gradus minuta	asc. / pt. hor. signorum gradus minuta	asc. / pt. hor. signorum gradus minuta	asc. / pt. hor. signorum gradus minuta	asc. / pt. hor. signorum gradus minuta
1	181 5 11 4	724 5 12	24 266 3 4 10	23 304 11 9	24 330 21 10	24 394 22 12 55
2	183 20 14	5 227 32 12	23 268 39 10	14 307 14 9	30 331 20 10	32 394 50 12 4
3	184 17 14	4 5 226 5 3 12	18 269 22 10	16 306 14 9	30 331 42 10	3 394 8 15 12 4
4	187 40 14	40 228 2 12	13 240 44 10	13 304 10 9	30 332 22 10	40 394 8 46 12 5
5	186 4 14	37 229 50 12	9 242 0 10	4 308 21 9	31 333 2 10	4 394 9 13 12 56
6	184 5 9 14	30 231 16 12	4 243 27 10	6 309 21 9	31 333 40 10	4 394 9 41 13 0
7	188 5 9 14	27 232 4 12	0 244 4 10	3 310 21 9	32 334 15 10	5 395 0 9 13 6
8	191 19 14	20 234 8 11	57 246 4 10	0 311 21 9	33 334 30 10	5 395 0 34 13 11
9	192 44 14	57 237 34 11	50 244 8 9	54 312 21 9	35 335 33 10	5 395 1 3 13 16
10	194 10 14	10 236 50 11	46 248 4 9	5 313 21 9	35 336 10 11	56 395 12 9 13 21
11	195 37 14	5 238 27 11	41 280 4 9	5 334 15 9	34 336 46 11	4 395 12 6 13 27
12	194 0 14	0 239 5 11	34 281 27 9	1 334 10 9	34 336 22 11	11 395 22 3 13 24
13	198 25 13	55 241 4 11	5 282 42 9	49 316 4 9	41 334 5 11	17 395 24 9 13 37
14	199 50 13	50 242 2 11	25 285 15 9	49 316 55 9	43 334 33 11	19 395 17 13 40
15	201 10 13	45 244 8 11	22 287 11 9	45 314 52 9	45 338 8 11	24 395 41 13 45
16	202 40 13	40 247 3 11	14 286 2 9	4 318 43 9	40 339 41 11	28 395 4 13 50
17	204 5 13	35 246 58 11	17 284 9 9	4 319 32 9	49 339 14 11	33 354 33 14 55
18	205 30 13	30 248 23 11	7 289 4 9	39 320 27 9	51 340 41 11	34 354 15 14 0
19	206 13	25 249 23 11	4 290 20 9	34 321 16 9	53 340 14 11	40 355 3 14 7
20	208 23 13	20 251 12 11	3 291 3 7 9	37 322 0 9	55 341 51 11	45 355 44 14 10
21	209 45 13	10 252 3 10	59 292 47 9	34 322 56 9	57 342 22 11	50 356 14 14 17
22	211 14 13	11 254 2 10	53 293 57 9	33 323 41 10	0 342 53 11	55 356 39 14 20
23	212 39 13	5 255 21 10	51 295 5 9	32 324 28 10	3 342 56 12	0 357 4 14 25
24	214 4 13	1 256 52 10	41 296 17 9	31 325 17 10	6 343 55 12	4 357 29 14 30
25	215 29 12	56 258 10 10	44 297 55 9	31 326 2 10	9 344 26 12	9 357 54 14 35
26	216 55 12	51 259 10 10	40 298 37 9	30 326 40 10	13 344 50 12	13 358 20 14 40
27	218 21 12	46 260 4 10	34 299 14 9	30 327 3 10	16 345 26 12	18 358 44 14 47
28	219 3 12	41 262 28 10	33 300 52 9	30 328 14 10	19 345 57 12	23 359 10 14 50
29	221 13 12	30 263 51 10	29 302 0 9	29 328 19 10	22 346 5 12	29 359 37 14 55
30	222 0 12	33 264 5 14 10	26 303 8 9	29 329 40 10	25 346 5 12	32 360 0 15 0

Tabula ascensionum signorum in circulo recto

Linee numeri	Capricorni ascensio (g m)	Aquarii ascensio · Piscium ascensio · Arietis ascensio · Tauri ascensio · Geminorum ascensio · Cancri ascensio · Leonis ascensio · Virginis ascensio · Libre ascensio · Scorpionis ascensio · Sagittarii ascensio (g m, as read in line)	m
1	1 5	33 14 63 4 90 55 118 50 148 [illegible] 181 6 213 [illegible] 243 4 270 55 298 [illegible] 328	50
2	2 11	34 17 64 1 91 50 119 48 149 53 182 11 214 17 244 1 271 [illegible] 299 [illegible] 328	53
3	3 16	35 19 64 58 92 47 120 46 150 [illegible] 183 17 215 19 244 58 272 47 300 [illegible] 326	56
4	4 22	36 21 [illegible] 93 45 121 45 151 [illegible] 184 22 216 22 245 55 273 45 301 [illegible] 323	59
5	5 28	34 23 66 52 94 57 122 42 152 1 185 28 217 23 246 52 274 [illegible] 302 [illegible] 333	2
6	6 33	35 29 67 48 95 30 123 40 153 1 186 33 218 29 247 48 275 [illegible] 303 [illegible] 338	5
7	7 38	39 26 68 47 96 27 124 [illegible] 154 [illegible] 187 38 219 26 248 47 276 [illegible] 327	9
8	8 43	40 27 69 41 97 20 125 36 155 [illegible] 188 43 220 27 249 41 277 [illegible] 336	13
9	9 48	41 28 70 37 98 36 126 37 [illegible] 189 48 221 28 250 37 278 [illegible] 334	17
10	10 53	42 29 71 33 99 11 127 34 157 [illegible] 190 53 222 29 251 33 279 [illegible] 338	21
11	11 58	43 29 72 29 100 6 128 33 158 [illegible] 191 58 223 29 252 29 280 6 308 333	24
12	13 3	44 30 73 27 101 1 129 32 160 29 193 3 224 29 253 27 281 [illegible] 309 32	29
13	14 8	45 30 74 21 101 57 130 31 161 33 194 8 225 27 254 21 281 [illegible] 310 31	33
14	15 13	46 30 75 17 102 54 130 31 162 34 195 13 226 23 255 17 282 [illegible] 311 30	37
15	16 18	47 30 76 12 103 [illegible] 132 30 163 [illegible] 196 18 227 30 256 12 283 [illegible] 312 30	42
16	17 23	48 30 77 8 104 [illegible] 133 [illegible] 164 [illegible] 197 23 228 [illegible] 257 8 284 [illegible] 313 30	[illegible]
17	18 27	49 [illegible] 78 3 105 [illegible] 134 [illegible] 165 [illegible] 198 27 229 [illegible] 258 3 285 [illegible] 314 30	55
18	19 31	50 28 78 59 106 [illegible] 135 [illegible] 166 [illegible] 199 31 230 28 258 59 286 [illegible] 317 30	[illegible]
19	20 35	51 27 79 54 107 [illegible] 136 31 167 [illegible] 200 35 231 27 259 54 287 [illegible] 316 31	2
20	21 39	52 25 80 49 108 29 137 31 169 [illegible] 201 39 232 25 260 49 288 [illegible] 319 31	7
21	22 43	53 23 81 44 109 23 138 32 170 [illegible] 202 43 233 23 261 44 289 [illegible] 318 32	12
22	23 47	54 21 82 40 110 19 139 33 171 [illegible] 203 47 234 21 262 40 290 [illegible] 320 33	17
23	24 51	55 18 83 37 111 [illegible] 140 [illegible] 172 [illegible] 204 51 235 18 263 37 291 [illegible] 323 [illegible]	22
24	25 55	56 [illegible] 84 30 112 [illegible] 141 36 173 [illegible] 205 55 236 [illegible] 264 30 292 [illegible] 321 36	27
25	26 58	57 [illegible] 85 [illegible] 113 8 142 37 174 [illegible] 206 58 237 [illegible] 265 [illegible] 293 8 322 38	32
26	28 1	58 14 86 20 114 [illegible] 143 39 174 58 208 1 238 14 266 20 294 [illegible] 323 39	38
27	29 4	59 [illegible] 87 17 115 [illegible] 144 [illegible] 176 [illegible] 209 4 239 [illegible] 267 17 295 [illegible] 324 [illegible]	43
28	30 7	60 12 88 [illegible] 116 [illegible] 145 [illegible] 177 [illegible] 210 7 240 12 268 [illegible] 296 [illegible] 327 [illegible]	49
29	31 10	61 10 89 5 117 [illegible] 146 [illegible] 178 [illegible] 211 10 241 10 269 5 297 [illegible] 326 [illegible]	54
30	32 13	62 7 90 0 117 [illegible] 147 [illegible] 180 0 212 [illegible] 242 7 270 0 297 [illegible] 327 [illegible]	0

Tabula corporis secundum ... Tabula arcuum

Lineae numeri communes		Lo. de perog.		multiplicatio binis	
Gdq.	Gra.	m	2	m	m
6	354	0	21	0	0
12	348	0	42	0	0
18	342	1	42	0	1
24	336	2	42	1	2
30	330	4	1	1	3
36	324	5	21	1	4
42	318	7	18	2	5
48	312	9	15	2	6
54	306	11	39	2	8
60	300	14	0	3	9
66	394	16	48	3	11
72	388	19	36	4	13
78	382	22	36	4	14
84	376	25	36	5	16
90	370	28	42	6	17
96	264	31	48	6	19
102	258	34	44	7	21
108	252	38	0	8	22
114	246	41	0	8	24
120	240	44	0		26
126	234	46	45	9	27
132	228	49	30	10	28
144	222	51	39	10	29
150	216	53	42	11	30
156	210	55	34	11	30
162	204	57	17	12	31
168	298	58	18	14	31
174	292	59	21	14	33
174	186	59	41	14	33
180	180	60	0	14	33

Tabula introductionis planetarum Saturni et directionum et iterum in arcu ...

	s	g	m	
	s	g	m	Porco equata Saturni
Inicium prime stationis	3	24	44	
Centrus Saturni	3	25	30	Retrogradacionis inicium
Retrogradacionis finis	8	4	30	
	8	7	16	Stacionis secunde finis
Porco equata Jovis	s	g	m	
	4	4	5	Inicium stacionis prime Jovis
Retrogradacionis inicium	4	7	11	
	7	22	49	Retrogradacionis finis
Stacionis 2e finis	7	25	55	
	s	g	m	Porco equata Martis
Inicium prime stacionis Martis	5	7	28	
	5	9	25	Retrogradacionis inicium
Retrogradacionis finis	6	10	45	
	6	22	33	Stacionis 2e finis
Porco equata Veneris	s	g	m	
	5	15	21	Inicium stacionis prime Veneris
Retrogradacionis inicium	5	18	21	
	6	11	39	Retrogradacionis finis
Stacionis 2e finis	6	29	9	
	s	g	m	Porco equata Mercurii
Inicium stacionis prime	[illegible]			
	4	27	14	Retrogradacionis inicium
Retrogradacionis finis	7	2	46	
	7	5	16	Stacionis 2e finis

Tabula diversitatis aspectus lune extra septem climata ad latitudinem 51 graduum

	Cancer hore	m	Long° m	Lat m	Leonis hore	m	Long° m	Lat m	Virginis hore	m	Long° m	Latitud m	Libre ho	m	Long° m	Lat m	Scorpio hore	m	Long° m	Lat m	Sagittarii ho	m	Long° m	Lat m	Capricorni ho	m	Long° m	Lat m
ante meridiem	8	12	26	44	8	12	35	34	6	54	45	24	6		46	21	5	1	42	24	4	10	36	32	3	47	27	41
	7		28	40	7	35	36	32	6		45	23	5		44	22	5		42	26	4		34	33	3		22	44
	6		30	37	6	36	36	29	5		43	22	4		41	23	4		40	28	3		30	37	2		16	46
	5		24	34	5	35	35	27	4		40	21	3		35	27	3		36	32	2		27	41	1		8	44
	4		26	31	4	31	32	25	3		35	20	2		30	26	2		31	34	1		19	44			0	0
	3		22	27	3	22	28	24	2		27	24	1		24	28	1		25	38			0	0			0	0
	2		16	35	2	28	21	23	1		19	27			0	0			0	0			0	0			0	0
	1		8	25	1	21	14	23			0	0			0	0			0	0			0	0			0	0
in meridie			0	23		2	5	24			12	30			1	31			18	40			10	46			0	49
	1		8	25	1	1	2	27	1		0	0			0	0			0	0			0	0			0	0
	2		16	27	2	3	9	30	2		4	35			0	0			0	0			0	0			0	0
	3		26	35	3	9	15	32	3		6	37	1		8	35	1		9	44			0	0			0	0
	4		22	34	4	15	18	35	4		11	40	2		0	38	2		0	46	1		1	47			0	0
	5		29	34	5	13	20	38	4		15	43	3		6	42	3		6	48	2		2	48	1		8	48
	6		30	47	6	20	21	41	5		18	45	4		12	45	4		11	48	3		10	49	2		16	46
	7		28	40	7	21	20	43	6		18	47	5		15	48	5		15	48	4		17	48	3		22	44
	8	12	26	44	7	44	18	45	6	54	17	48	6		17	49	5	1	16	48	4		18	47	3	47	27	41
	Cancri		Long°	Lat	Geminis		Long°	Lat	Tauri		Long°	Latitud	Arietis		Long°	Lat	Piscis		Long°	Lat	Aquarii		Long°	Lat	Capricorni		Long°	Lat

nota quod [illegible] prima pars huius tabule [illegible] ante
meridie[m] [illegible] signis suprascriptis
[illegible] meridie [illegible] signis
subscriptis [illegible] ante meridie[m] [illegible]
post meridie[m] [illegible] minuta [illegible]
meridie [illegible]
[illegible]

Tabula proporcionis

G	P²	P² m	2	Gra	P²	m	P 2a	G	P²	m	hor a
G	G	m	2	G	G	m	2	G	G	m	2
2	358	0	2	62	29	14	52	122	238	45	0
4	356	0	6	64	29	15	44	124	236	46	0
6	354	0	12	66	29	16	41	126	234	4[illegible]	7
8	352	0	20	68	29	17	38	128	232	47	46
10	350	0	30	70	29	18	36	130	230	48	57
12	348	0	42	72	28	19	36	132	228	49	30
14	346	0	57	74	28	20	36	134	226	50	19
16	344	1	17	76	28	21	36	136	224	51	6
18	342	1	37	78	28	22	36	138	222	51	50
20	340	1	55	80	28	23	36	140	220	52	32
22	338	2	18	82	27	24	36	142	218	53	11
24	336	2	42	84	27	25	36	144	216	53	48
26	334	3	5	86	27	26	36	146	214	54	24
28	332	3	25	88	27	27	36	148	242	54	29
30	330	3	54	90	27	28	36	150	210	55	34
32	328	4	21	92	26	29	36	152	208	56	8
34	326	4	57	94	26	30	36	154	206	56	42
36	324	5	34	96	26	31	36	156	204	57	17
38	322	5	54	98	26	32	50	158	202	57	43
40	320	6	34	100	26	33	52	160	200	58	8
42	318	7	13	102	25	34	54	162	198	58	31
44	316	7	55	104	25	35	56	164	196	58	50
46	314	8	31	106	25	36	58	166	194	59	7
48	312	9	17	108	25	38	7	168	192	59	21
50	310	10	7	110	25	39	0	170	190	59	33
52	308	10	46	112	24	40	0	172	198	59	43
54	306	11	33	114	24	41	0	174	186	59	51
56	304	12	27	116	24	42	0	176	184	59	56
58	302	13	10	118	24	43	0	178	182	59	58
60	300	14	0	120	24	44	0	180	180	60	0

Tabula latitudinis lune

			0			1			2			3			4			5	
Gradus		G	m	2	G	m	2	G	m	2	G	m	2	G	m	2	G	m	2
1	29	0	5	13	2	33	24	4	22	22	4	59	58	4	17	7	2	25	17
2	28	0	10	27	2	39	52	4	24	51	4	59	50	4	14	22	2	20	40
3	27	0	15	40	2	44	57	4	27	14	4	59	35	4	11	30	2	16	2
4	26	0	20	53	2	47	39	4	29	37	4	59	17	4	8	37	2	11	22
5	25	0	26	7	2	51	57	4	31	49	4	58	51	4	5	38	2	6	40
6	24	0	31	19	2	57	10	4	33	59	4	58	45	4	2	35	2	1	56
7	23	0	36	31	3	0	21	4	36	4	4	57	45	3	59	28	1	57	8
8	22	0	41	42	3	4	29	4	38	4	4	57	47	3	56	16	1	52	17
9	21	0	46	52	3	8	35	4	40	0	4	56	[illegible]	3	53	0	1	47	23
10	20	0	52	1	3	12	39	4	41	52	4	55	[illegible]	3	49	40	1	42	27
11	19	0	57	9	3	16	39	4	42	38	4	54	28	3	46	17	1	47	29
12	18	1	2	16	3	20	35	4	45	18	4	53	17	3	42	49	1	42	30
13	17	1	7	23	3	24	26	4	46	52	4	52	17	3	39	17	1	37	33
14	16	1	12	30	3	28	17	4	48	20	4	51	3	3	35	41	1	32	35
15	15	1	17	36	3	32	0	4	49	44	4	49	43	3	32	0	1	27	34
16	14	1	22	35	3	35	41	4	51	5	4	48	20	3	28	17	1	22	30
17	13	1	27	33	3	39	17	4	52	17	4	46	51	3	24	26	1	17	29
18	12	1	32	31	3	42	49	4	53	32	4	45	18	3	20	36	1	12	16
19	11	1	37	29	3	46	17	4	54	28	4	43	38	3	16	39	0	9	[illegible]
20	10	1	42	27	3	49	40	4	55	25	4	41	52	3	12	39	0	2	1
21	9	1	47	23	3	53	0	4	56	17	4	40	0	3	8	20	0	57	52
22	8	1	52	17	3	56	16	4	57	4	4	39	4	3	4	24	0	52	42
23	7	1	57	8	3	59	28	4	57	45	4	36	4	3	0	21	0	46	31
24	6	2	1	56	4	2	37	4	58	25	4	33	59	2	56	10	0	41	19
25	5	2	6	40	4	5	38	4	58	55	4	31	49	2	51	57	0	36	6
26	4	2	11	22	4	8	37	4	59	17	4	29	34	2	47	39	0	20	53
27	3	2	16	2	4	11	34	4	59	35	4	27	14	2	43	17	0	15	40
28	2	2	20	40	4	14	22	4	59	50	4	24	51	2	38	21	0	10	27
29	1	2	25	17	4	17	7	4	59	58	4	22	22	2	34	24	0	5	13
30	0	2	29	52	4	19	47	5	0	0	4	19	46	2	29	52	0	0	0
		11			10			9			8			7			6		
Linee numeri quos		Lat° lune re ascen.			Latitudo lune re ascen.			lati° lune re descen.			Lat° lune z descen.			lati° lune re descen.			Lat° lune re descen.		

Tabula diversitatis circuli aspectus lune ad solem G			Tabula eclipsis solis in locis longioribus: latitudo eclipsis	puncta, dyametri		casus		per 12 puncta eclipsis ad solem				
0	360	0	31	0	0	0	0	1	0	20	0	30
6	354	0	28	18	1	12	39	2	1	0	1	10
12	348	0	27	37	2	17	30	3	2	45	2	8
18	342	0	22	52	3	20	25	4	3	40	3	10
24	336	0	20	17	4	23	33	5	4	40	4	20
30	330	1	17	28	5	26	36	6	5	40	5	30
36	324	1	14	41	6	27	36	7	6	40	6	45
42	318	2	12	3	7	28	34	8	8	0	7	0
48	312	2	9	20	8	29	33	9	9	20	8	10
54	306	2	6	38	9	30	17	10	10	40	9	20
60	300	3	3	55	10	30	45	11	11	50	10	20
66	294	3	1	3	11	30	59	12	12	0	11	0
72	288	4	0	0	12	31	0					

Tabula diversitatis (cont.)			Tabula eclipsis solis in locis meridionalibus: latitudo lune eclipsis	puncta dyametri		casus		Tabula quantitatis eclipsis solis et lune: puncta eclipsis	Eclipsis solis		Eclipsis lune	
78	282	4							pc		pc	
84	276	5										
90	270	5										
96	264	6										
102	258	6	34	0	0	0	0					
108	252	7	31	18	1	11	16					
114	246	8	28	37	2	18	25	1	0	20	0	30
120	240	8	25	53	3	22	24	2	1	0	1	10
126	234	9	23	17	4	24	50	3	1	50	2	55
132	228	9	20	24	5	27	9	4	2	40	3	5
138	222	10	17	45	6	29	0	5	3	20	4	10
144	216	10	15	3	7	30	30	6	4	40	5	50
150	210	11	12	20	8	31	56	7	5	50	6	30
156	204	11	9	38	9	32	37	8	7	0	8	42
162	198	12	6	55	10	33	56	9	8	10	9	10
168	192	12	4	13	11	33	44	10	9	20	10	20
174	186	12	1	30	22	33	48	11	10	20	11	20
180	180	12	0	0	13	34	0	12	12	0	12	0

Tabula proportionis tenebrarum initii eclipsis: minuta puncti eclipsis ex diametro	minuta eclipsis solis et lune	minuta eclipsis lune et finis	puncti eclipsis lune
0	90	9	0
1	60	73	0
2	57	65	0
3	49	59	0
4	42	54	0
5	37	50	0
6	31	46	0
7	26	43	0
8	21	39	0
9	16	36	0
10	5	32	0
11	6	29	0
12	2	26	40
13	0	23	64
14	0	21	52
15	0	19	43
16	0	17	36
17	0	12	29
18	0	10	22
19	0	7	16
20	0	[illegible]	10
21	0	2	4

Tabula eclipsis solis ad longitudinem longiorem

Porcio latitudinis G	m	Argumentum latitudinis G	m	puncta eclipsis p	m	minuta casus m	
6	37	173	33	0	0	0	0
6	30	173	30	0	11	5	30
6	0	174	0	1	5	10	7
5	30	174	30	1	55	13	10
5	0	175	0	2	45	17	10
4	30	175	30	3	37	22	44
4	0	176	0	4	29	24	44
3	30	176	30	5	21	26	17
3	0	177	0	6	13	27	21
2	30	177	30	7	6	28	39
2	0	178	0	7	59	29	28
1	30	178	30	8	48	30	7
1	0	179	0	9	29	30	35
0	30	179	30	10	32	30	51
0	0	180	0	10	45	30	55
59	30	180	30	11	32	30	51

Tabula eclipsis solis ad longitudinem propiorem

Porcio latitudinis G	m	Argumentum latitudinis G	m	puncta eclipsis p	m	minuta casus m
7	1	172	59	0	9	0 0
7	0	173	0	0	17	7 56
6	30	173	30	1	9	14 11
6	0	174	0	2	0	18 32
5	30	174	30	2	53	21 37
5	0	175	0	3	45	24 2
4	30	175	30	4	19	26 12
4	0	176	0	5	28	27 53
3	30	176	30	6	20	29 17
3	0	177	0	7	12	30 10
2	30	177	30	8	5	31 31
2	0	178	0	8	56	32 51
1	30	178	30	9	37	32 49
1	0	179	0	10	48	33 17
0	30	179	30	11	30	33 30
0	0	180	0	12	44	33 34

Tabula eclipsis solis ad longitudinem longiorem

Argumentum latitudinis lune meridiane G	m	G	m	puncta eclipsis p	m	minuta casus m
359	30	180	30	11	32	30 51
359	0	181	0	9	39	30 27
358	30	181	30	8	28	30 7
358	0	182	0	7	27	29 28
357	30	182	30	6	26	28 39
356	0	183	0	6	13	27 21
356	30	183	30	5	21	26 17
356	0	184	0	4	29	24 44
355	30	184	30	3	37	22 44
355	0	185	0	2	45	20 10
354	30	185	30	1	55	17 10
354	0	186	0	1	5	13 7
353	30	186	30	0	11	5 30
353	0	187	0	0	0	0 0

Tabula eclipsis solis ad longitudinem propiorem

Argumentum latitudinis		meridiane		puncta	minuta	minuta casus	
359	30	180	30	11	39	33	30
359	0	181	0	10	28	33	17
358	30	181	30	9	47	32	44
358	0	182	0	8	56	32	17
357	30	182	30	8	5	31	31
357	0	183	0	7	12	30	19
356	30	183	30	6	20	29	17
356	0	184	0	5	28	27	13
355	30	184	30	4	37	26	12
355	0	185	0	3	45	24	2
354	30	185	30	2	53	21	14
354	0	186	0	2	0	18	32
353	30	186	30	1	9	14	16
353	0	187	0	0	17	7	16
352	30	187	30	0	0	0	0

Tabula latitudinis ipsius lune et fine in utraque eclipsi

Argumentum latitudinis								latitudo lune		
0	0	6	0	12	0	6	0	0	0	0
0	1	5	29	11	29	6	1	0	5	13
0	2	5	28	11	28	6	2	0	10	27
0	3	5	27	11	27	6	3	0	15	4
0	4	5	26	11	26	6	4	0	20	52
0	5	5	25	11	25	6	5	0	26	7
0	6	5	24	11	24	6	6	0	31	13
0	7	5	23	11	23	6	7	0	36	31
0	8	5	22	11	22	6	8	0	41	42
0	9	5	21	11	21	6	9	0	46	52
0	10	5	20	11	20	6	10	0	52	1
0	11	5	19	11	19	6	11	0	56	9
0	12	5	18	11	18	6	12	0	2	16
0	13	5	17	11	17	6	13	1	7	29
0		5		11		6		1		23
s	g	s	g	s	g	s	g	g	m	2

[illegible]

[illegible]

Tabula eclipsis lunaris ad lo[ngitudin]em longiorem

Gradus latitudinis septentrionalis | puncta eclipsis | minuta casus | minuta more

G	m	G	m	pc	m	m	2a	m	2a
11	0	169	0	0	0	0	0	0	0
10	30	169	30	0	40	12	10	0	0
10	0	170	0	1	40	29	30	0	0
9	30	170	30	2	40	29	32	0	0
9	0	171	0	3	32	28	7	0	0
8	30	171	30	4	37	31	13	0	0
8	0	172	0	5	30	34	10	0	0
7	30	172	30	6	25	30	27	0	0
7	0	173	0	7	23	38	42	0	0
6	30	173	30	8	21	40	28	0	0
6	0	174	0	9	20	43	11	0	0
5	30	174	30	10	19	44	36	0	0
5	0	175	0	11	14	42	52	0	0
4	30	175	30	12	11	46	4	0	0
4	0	176	0	13	9	34	42	10	21
3	30	176	30	14	7	36	1	17	47
3	0	177	0	15	4	31	47	15	48
2	30	177	30	16	2	30	38	17	40
2	0	178	0	17	0	30	31	19	14
1	30	178	30	18	57	29	3	20	12
1	0	179	0	18	53	24	52	20	12
0	30	179	30	18	50	24	19	21	16
0	0	180	0	20	46	24	16	21	12

30 30

Tabula eclipsis lune ad lo[ngitudin]em [lon]giorem

Gradus latitudinis septentrionalis | puncta eclipsis | minuta casus | minuta more

G	m	G	m	pc	m	m	m	m	2a
13	0	167	0	0	26	12	27	0	0
12	30	167	30	1	13	20	52	0	0
12	0	168	0	2	2	26	7	0	0
11	30	168	30	3	50	34	23	0	0
11	0	169	0	4	36	34	24	0	0
10	30	169	30	5	44	37	0	0	0
10	0	170	0	6	29	41	20	0	0
9	30	170	30	6	10	47	26	0	0
9	0	171	0	7	54	47	21	0	0
8	30	171	30	8	41	49	25	0	0
8	0	172	0	9	31	29	28	0	0
10	30	172	30	10	26	11	6	0	0
10	0	173	0	10	12	52	24	0	0
6	30	173	30	11	54	54	9	0	0
6	0	174	0	12	43	57	20	0	0
7	30	174	30	13	55	47	14	9	7
7	0	175	0	14	24	43	53	14	9
4	30	175	30	15	25	40	54	17	25
4	0	176	0	15	0	39	9	19	57
3	30	176	30	16	50	37	50	21	7
3	0	177	0	17	38	36	51	23	32
2	30	177	30	18	25	36	0	24	29
2	0	178	0	19	35	37	31	25	49
1	30	178	30	20	57	37	5	26	32
1	0	179	0	20	54	[illegible]	48	24	16
0	30	179	30	21	44	3	40	24	16
0	0	180	0	21	31	34	35	14	24

Tabula p[ro]portionis eclipsis solis et lune cum ar[gumento] latitudinis lune

Septentrionalis	Meridionalis sol	Septentrionalis sol	Meridionalis
0			0
3	2	0	5
1	49	1	49
2	50	2	50
3	51	3	51
4	52	4	52
5	53	5	53
6	54	6	54
7	55	7	55
8	56	8	56
9	57	9	57
10	58	10	58
11	59	11	59
12	60	12	60

[illegible]

Tabula eclipsis lune ad lo[n]gitudinem suam longiorem

G	m	m	2a	pc	m	m	2a	m	2a
lo[ngitudo] lune		la[titudo] lune		eclipsis		ca[sus]		more	
9	27	5	20	0	0	0	0	0	0
8	41	50	33	1	0	17	36	0	0
8	7	48	1	2	0	22	39	9	0
7	33	47	38	3	0	27	16	0	0
7	18	43	10	4	0	29	47	0	0
6	24	43	33	5	0	30	12	0	0
6	49	38	17	6	0	36	22	0	0
5	15	57	48	7	0	39	5	0	0
5	41	33	22	8	0	41	12	0	0
4	7	30	39	9	0	43	5	0	0
4	33	28	27	10	0	47	44	0	0
4	57	27	28	11	0	46	12	0	0
3	27	23	30	12	0	47	30	0	0
3	51	21	13	13	0	48	11	14	27
2	17	18	37	14	0	37	14	19	23
2	53	16	8	15	0	33	14	[illegible]	5
1	9	14	40	16	0	32	5	19	7
1	36	11	[illegible]	17	0	31	9	34	39
1	2	9	44	18	0	30	24	[illegible]	49
0	28	6	18	19	0	29	58	39	34
0	24	3	50	20	0	29	41	24	11
0	20	2	13	21	0	29	31	28	28
0	0	0	0	22	0	29	20	34	30

Tabula eclip. lune ad lo. [...] io | Tabula eclipsis lunaris ad lo. me. [...]

Arg. lati.	m	Arg.	m	pū eclip.	m	casus	m	mora	m	Arg. lat.	m	Arg.	m	pūcta eclipsis	m	casus	m	mora	m	
360	0	180	0	0	20	46	29	46	12	360	0	180	0	21	31	34	27	24	24	
359	30	180	30	30	19	50	29	49	16	359	30	180	30	20	43	34	40	24	16	
359	0	181	0	0	18	53	29	50	12	359	0	181	0	19	54	34	49	24	2	
358	30	181	30	30	18	57	30	3 20	12	358	30	181	30	19	5	35	5	26	32	
358	0	182	0	0	17	0	54	31 14	12	358	0	182	0	18	55	35	30	25	47	
357	30	182	30	30	16	2	41	38 47	38	357	30	182	30	17	55	36	0	24	49	
357	0	183	0	0	15	5	34	41	58	357	0	183	0	16	38	36	54	23	32	
356	30	183	30	30	14	7	58	13	47	356	30	183	30	15	54	37	50	21	57	
356	0	184	0	0	13	0	56	44 10	22	356	0	184	0	17	0	34	9	19	57	
355	30	184	30	30	12	11	44	9 0	0	355	30	184	30	14	27	40	24	17	27	
355	0	185	0	0	11	14	44	54 0	0	355	0	185	0	13	25	43	53	14	9	
354	30	185	30	30	10	16	43	36 0	0	354	30	185	30	12	35	45	14	5	7	
354	0	186	0	0	9	20	42	11 0	0	354	0	186	0	11	43	47	20	0	0	
353	30	186	30	30	8	21	40	28 0	0	353	30	186	30	10	54	44	9	0	0	
353	0	187	0	0	7	23	38	42 0	0	353	0	187	0	10	11	52	44	0	0	
352	30	187	30	30	6	25	30	24 0	0	352	30	187	30	9	26	51	6	0	0	
352	0	188	0	0	5	30	34	10 0	0	352	0	188	0	8	31	59	28	0	0	
351	30	188	30	30	4	32	30	13 0	0	351	30	188	30	7	41	57	27	0	0	
351	0	189	0	0	3	35	28	7 0	0	351	0	189	0	6	44	51	21	0	0	
350	30	189	30	30	2	40	24	32 0	0	350	30	189	30	5	10	53	26	0	0	
350	0	190	0	0	1	40	19	30 0	0	350	0	190	0	4	11	51	27	0	0	
349	30	190	30	30	0	40	12	10 0	0	349	30	190	30	3	38	37	0	0	0	
349	0	191	0	0	0	0	0	0 0	0	349	0	191	0	2	36	34	27	0	0	
Signa	gr.	sig.	gr.	pū	pū	m	m̄	m	2	348	30	191	30	2	50	30	22	0	0	
										348	0	192	0	1	3	26	7	0	0	
										347	30	192	30	0	13	20	52	0	0	
										347	0	193	0	0	26	12	22	0	0	
										Sig.	gr.	Sig.	gr.	pū	m	m	2	m	2	

Tabula eclipsis lune ad veram lo[ngitudinem] [...] [...]

Tabula eclipsis ad pūct. eclip. casus dies mora

Lo. G̃	m	m	2	pū	m	m	2	m	2
12	27	63	36	0	0	0	0	0	0
11	41	60	39	1	0	19	9	0	0
11	7	57	43	2	0	28	10	0	0
10	33	54	43	3	0	32	35	0	0
9	58	1	44	4	0	36	43	0	0
9	24	48	5	6	0	40	42	0	0
8	49	47	29	6	0	43	54	0	0
8	17	42	3	7	0	47	13	0	0
7	41	40	6	8	0	49	27	0	0
7	7	37	9	9	0	51	40	0	0
6	33	38	13	10	0	53	29	0	0
5	54	32	16	11	0	55	27	0	0
5	27	18	19	12	0	56	29	0	0
4	51	17	23	13	0	55	47	12	37
4	17	22	26	14	0	47	17	14	15
3	53	14	29	17	0	40	24	20	32
3	9	16	33	16	0	38	24	22	18
2	36	13	36	17	0	37	24	24	18
2	2	10	40	18	0	36	37	26	2
1	28	7	40	19	0	37	36	27	12
0	54	4	43	20	0	37	39	27	52
0	20	1	40	21	0	37	39	28	13
0	0	0	0	22	0	37	48	28	16

Notandum quod in queranda eclipsi solis queratur primo verissima quantitas diversitatis in coniunctione respectu veri loci solis et veri loci lune ad quantitatem tertiam partis patet. Et sic ad latitudinem lune in coniunctione ad quantitatem sic addendo medium motum. Verum quia non est locus lune, et propter ergo queratur

ar. lati latitudo, addendo ar. latitudinis lune in coniunctione. Circa hoc sciendum quod necessarium est dividi eclipses per illud ... diversitatis aspectus. Sed ad quod hic describitur precedit siquidem multo nota ... quod non videtur et quid quot

Div. aspect. diversitas sit diversitas aspectus. Circa hoc scias quod locus lune verus est punctus celi in quo linea ducta a centro terre per centrum lune terminata in celo ostendit. Sed visus locus est punctus celi in quo linea a visu in superficie terre per centrum lune producta in celo ostendit. Secundum scias quod verus locus lune in longitudine in orbe signorum est punctus secans duos circulos quorum unus est zodiacus et alius circulus magnus transiens per locum lune in celo transiens per polos orbis signorum. Verus visus locus in orbe signorum est punctus secans duos circulos quorum unus est orbis signorum, alius circulus magnus transiens per polos orbis signorum et per locum lune in celo

Dist. ap. loco lune Diversitas autem aspectus lune in longitudine est arcus celi signorum intermedius inter verum locum lune et visum eius locum. Similiter intellige de sole. Circa

loc. stelle et lati. latitudinem. Scias quod locus stelle et latitudinis est punctus secans duos circulos quorum unus per centrum stelle transit ... polos orbis signorum [illegible] stelle transit ... eclipticam ... locus lune visus et latitudinis est punctus secans duos

loc. lune visus et latitudinis circulos quorum unus transit per centrum lune visum in celo et per polos ... Alius non transit per locum lune visum ... distans eclipticam. Circa

div. aspect. lune in lati. diversitatem aspectus lune in latitudine est arcus circuli per polos orbis signorum transeuntis et per signorum locum lune transiens ... eclipticam ... locum lune in ecliptica. Et hic est notandum quod diversitas aspec-

diversitas aspect. longitudinis tus lune in longitudine quam diversitatem invenimus per tabulas diversitatis aspectus est circulus signorum inter verum locum lune et verum locum lune ... diversitas aspectus ... diversitas aspectus lune ad solem quia semper diversitas aspectus. Circa ... etiam notandum est quod diversitas aspectus lune quia potest ... diversitas aspectus lune et diversitas aspectus lune dempta ab ea diversitate aspectus solis. Aliquando oportet nos equare diversitatem aspectus solis et ... diversitate aspectus lune ... in tabulis

per ... in diversitate aspectus in longitudine potest ... non sunt ... arcus celi quo luna ... orientalior vel occidentalior quam sit in veritate ... nos et secundum illud arcum celi quo sol est orientalior vel occidentalior quam sit in veritate. Et cetera solis subtrahe ... lune. Et diversitas aspectus lune ... arcus celi ... sol ... sunt in eo puncto celi ... in veritate orientalior vel occidentalior quam sol sunt in diversitate aspectus in latitudine sicut arcus celi quo luna est in aspectu meridionalior quam sol ... puncto celi ... alfraganum ... diversitas solis est 3 minutorum.

Scitum quod ... debet esse porro arcus diurnus et nocturnus tam in diebus ... quam in horis ... aut ... Si volumus scire ... diurnum vel arcum diurnum subtrahe ascensiones loci solis ab ascensionibus nadir eius si potes. Si non potes adde super ascensiones nadir

arcus diurnus solis 360 gradus et a producto subtrahe ascensiones gradus solis et quod remanserit est arcus diurnus sive ... diurnus in gradibus et eorum fractionibus. Et si ... arcum diei subtrahas a 360 gradibus quod remanet est arcus sive nocturnus. Circa quod nota quod iste ascensiones ... sunt in tabula ... signorum in circulo obliquo ad climata ... quibus habitat

arcus nocturnus ... quos nos ... elevatur polus modicum est 41 gradus ... elevatio poli ... ad ... seu latitudinis ... 49 gradus ... per ascensiones gradus solis ... loci cuius scire volumus ... non loco solis ... ascensionum signorum in spera obliqua ... meridiano ... potest ... tabule. Et queras locum solis in lineis ... invenire poteris ... ascensiones quas queris. Si non ... invenire poteris ... quem ... locus solis ... ultimo gradu ... primo ... ascensiones ... a ... accipe ... adde super ascensiones ... ascensiones

[illegible] ... dicitur ut si [illegible] ... [illegible]

ut [illegible] ... fuit [illegible]
ascensiones loci solis [illegible] locus [illegible]
[illegible] verissime [illegible] ... 13 ... 6.
[illegible] ... 13 gradus cancri / [illegible] solis
verissimus [illegible] 13 gradus cancri [illegible]
[illegible] ascensiones [illegible] ad [illegible]
[illegible] ... 22 ... minuta [illegible]
[illegible] additis [illegible] ... gradus [illegible]
[illegible] ... 20 minuta [illegible] subtrahantur
[illegible] ... remanebunt [illegible]
[illegible] ... 27 [illegible] minuta
[illegible] loco solis [illegible]
signa [illegible]
[illegible]
ascensionibus [illegible] fuerint [illegible]
ascensiones [illegible] solis [illegible] verissime [illegible] fuit [illegible]
[illegible] ... 20 minuta [illegible] ascensiones
[illegible] ascensionibus [illegible]
[illegible] arcus diurni [illegible] ascensiones
ascensiones nadir [illegible] solis [illegible] nadir solis [illegible]
[illegible] 13 gradus capricorni [illegible]
[illegible] in tabulis [illegible]
[illegible] ... 216 gradus ... minuta [illegible]
[illegible] ... 216 gradus [illegible]
[illegible] ascensiones [illegible]
in [illegible] gradibus [illegible] ... 27 [illegible]
[illegible] ... minuta [illegible]
[illegible] ... 18 [illegible] ascensionibus [illegible]
[illegible] ascensiones nadir solis [illegible] ... 216 gradus [illegible]
[illegible] ascensiones loci solis [illegible]
[illegible] ascensionibus [illegible] nadir solis [illegible] remanebit
in arcus diurni [illegible] suis fractionibus
[illegible] ... 29 gradus ... 32 [illegible]
[illegible] arcu diurno [illegible] ... 360
[illegible] arcus nocturni [illegible]
[illegible] ... 38 [illegible] Cum [illegible] habemus
arcum diei [illegible] cum suis
[illegible] fractionibus [illegible]
[illegible] horas [illegible] / deinde [illegible]
[illegible] ... 17 [illegible]
[illegible] horas [illegible]
[illegible] ... 17 [illegible] horas [illegible]
[illegible] in horas [illegible] ... 17 minuta [illegible]
[illegible] horas [illegible]
[illegible] horae noctis [illegible] duobus [illegible]
[illegible] dimidio arcu
noctis [illegible] nocturni [illegible] ... 17 [illegible]
[illegible] minuta diei [illegible] horas
[illegible] remanebunt horae noctis [illegible]

[illegible] arcum diei [illegible] ... 17 [illegible]
[illegible] facta [illegible] ... 17 minuta
gradus [illegible] minuta horae [illegible]
[illegible] ... 18
[illegible] diei [illegible] horas [illegible] minuta [illegible]
[illegible] horas remanebunt in [illegible]
Tertium [illegible] ut [illegible] horae et in
horis [illegible] diei artificialis verissime
[illegible] horae [illegible] ad ortum [illegible]
[illegible] aliud [illegible]
[illegible] verissime [illegible]
[illegible] ut [illegible] dimidia [illegible]
diei [illegible] horas [illegible]
[illegible] in horas [illegible] verissime [illegible] ad
[illegible] dimidii [illegible] diei accepte [illegible] horas
[illegible] horae minuta
horas [illegible] diei artificialis [illegible]
verissime [illegible] aut horae verissime
[illegible] fuit tunc [illegible] dimidia
[illegible] diei [illegible] noctis [illegible] horae [illegible]
[illegible] horas [illegible]
[illegible] dimidia [illegible] diei
[illegible] remanet [illegible] horae
in [illegible] diei artificialis [illegible]
[illegible] horae [illegible]
[illegible] ut [illegible]
[illegible] dimidia [illegible] diei ut [illegible]
[illegible] dimidia [illegible] diei [illegible] noctis
[illegible] fuit [illegible]
[illegible] verissime
[illegible] horae [illegible] diei [illegible]
noctis [illegible]
[illegible] diei [illegible]
[illegible] ut nocturna de
[illegible] diei [illegible]
[illegible] dimidia [illegible] diei [illegible] horas [illegible]
[illegible] horae ... 39 [illegible] horae [illegible] verissime
[illegible] diebus [illegible] horae ... 3 horae ... 26
minuta ... 18 [illegible] noctis [illegible] verissime
[illegible] dimidia [illegible] diei [illegible] horae [illegible] minuta
verissime [illegible] dimidii [illegible] diei
[illegible] noctis horae [illegible] minuta horas [illegible]
[illegible] diei artificialis verissime [illegible]
[illegible] horae 33 minuta [illegible]
Quartum [illegible] debet esse illud

Ascensiones nadir

[illegible]

[illegible] 17

Horae noctis

[illegible] ... 17 gradus [illegible] horas [illegible]

[illegible]

[illegible]

[illegible] solaris [illegible] ab [illegible] ultra [illegible] plane [illegible] in tangentibus [illegible] quas [illegible] [illegible] ut [illegible]

Notandum [illegible] volumus [illegible] solaris obscurabitur cum puncto [illegible] solis sive puncto ecliptico [illegible] obscuri solis [illegible] eclipsis solis [illegible] obscurabitur de sole sine ulla dubitatione [illegible] ultra [illegible] [illegible] in eclipsi solis [illegible] puncto eclipsis 36 [illegible] puncto [illegible] eclipsis solis [illegible] puncto [illegible] 2 [illegible] 30 [illegible] 78 [illegible] 30 [illegible] puncto [illegible] de sole eclipsabitur [illegible] Insuper notandum [illegible] eclipsis solaris [illegible] semidyametri solis [illegible] dyametri solis [illegible] dyametri [illegible] eclipsis [illegible] 3 [illegible] 32 [illegible] 172 [illegible] 30 [illegible]

[illegible] 30 [illegible] 33 [illegible] 33 [illegible] 288 [illegible]

[illegible] 28 [illegible] 28 [illegible] eclipsis [illegible] dyametri [illegible] eclipsis [illegible] 38 [illegible] 1898 [illegible] 230 [illegible] 11388 [illegible] 230 [illegible] 1171 [illegible] 1878 [illegible] 30 78 [illegible] semidiametri solis 16 [illegible] semidiametri lune 17 24

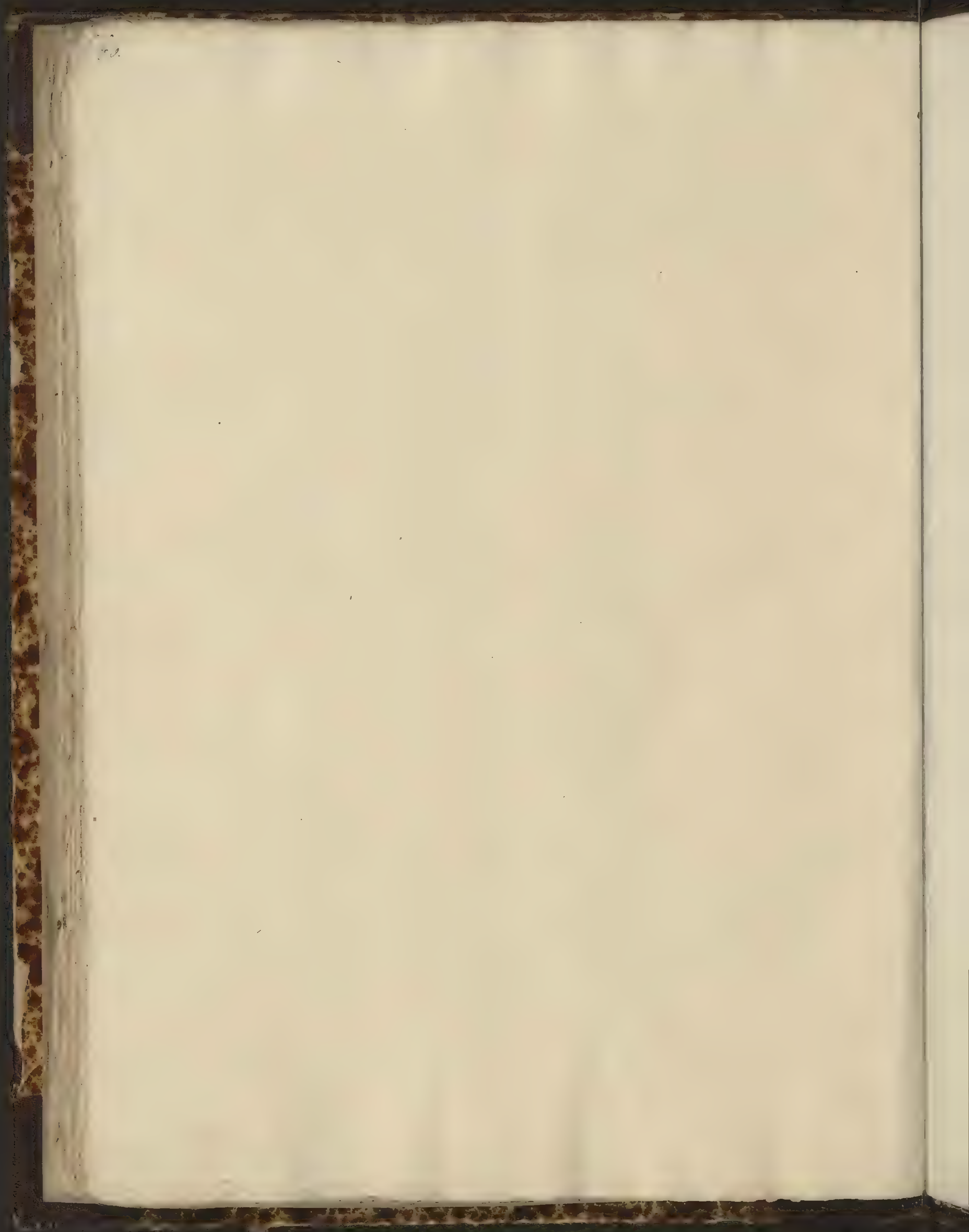
Consequenter [illegible] solaris eclipsis [illegible] lune [illegible] linea [illegible] semidiametri [illegible] semidyametri [illegible] dyametri [illegible] semidyametri solis [illegible] dyametri [illegible] semidiametri solis [illegible] eclipsis [illegible] dyametri [illegible] eclipsis [illegible] dyametri [illegible] eclipsis [illegible] eclipsis [illegible] eclipsis [illegible] semidyametri lune [illegible]

linee contingentem eam et locum tactus linee
equaliter distantis in circumferentia ab orientali ad
initium eclipsis et locum contactus ~~[illegible]~~
hec in circumferentia et centrum linee umbre circuli ad finem
eclipsis et signum latitudinis ad medium eclipsis et
centrum linee circuli ad medium eclipsis et
habebis figuram eclipsis solaris

Item nota cum eclipsim lune si scire volueris quam
observabis diametrum lune in punctis eclipsis
intra tabulas equationis quantitatis eclipsis ingredere cum
[illegible] [illegible] in inventis punctis minutis superpositis
[illegible] [illegible] [illegible] puncta [illegible]
in [illegible] de sole [illegible] puncta
et in observata diametri lune Nota [illegible]
quod [illegible] eclipsis [illegible] per ta
puncta eclipsata [illegible] quod 12 [illegible]
[illegible] [illegible] eclipsis [illegible]
[illegible] Et [illegible] eclipsis lune [illegible]
que fuit anno domini [illegible] completo [illegible]
[illegible] [illegible] puncta eclipsis
[illegible] 31 16 [illegible] 10 puncta
[illegible] puncta 20 [illegible]
[illegible] puncta [illegible]
in 10 puncta 20 [illegible] puncta
[illegible] 27 [illegible]
[illegible] puncta [illegible] 31 16 [illegible]
[illegible] puncta eclipsata [illegible] 16.

Item nota ad dispositionem figure eclipsis lunaris [illegible]
ut scias quod diameter lune [illegible] diameter
umbre in loco transitus lune [illegible]
quod diameter lune [illegible] diameter
umbre in loco transitus lune
27 [illegible] diameter lune
[illegible] et completur diameter
lune duplicata [illegible] duplo [illegible]
[illegible] ~~duplicata~~ [illegible] diameter
umbre in loco transitus lune [illegible] sol
[illegible] longius [illegible]
[illegible] 22 [illegible]
[illegible] motus
[illegible] multa
[illegible]
[illegible] diameter umbre minimus [illegible]
diameter umbre [illegible]
[illegible] diametros medios [illegible]
semidiametros [illegible] eclipsis
lune [illegible]
[illegible] eclipsis [illegible] diameter lune et
umbre [illegible] lineam dispo
pone medietatem diametri circuli [illegible]
[illegible] circumferentiam centrum lune

[illegible] eclipsis [illegible] adfinem eclipsis [illegible]
[illegible] ~~[illegible]~~ circuli umbre 27
quadrans [illegible] diameter umbre [illegible]
[illegible] a quo circulo [illegible] quadrans
eclipsis circulos duabus lineis [illegible]
[illegible] [illegible] distribuendo [illegible]
[illegible] medie [illegible]
[illegible] 27 [illegible] latitudinis lune
ad medium eclipsis [illegible] [illegible]
[illegible] ambos circulos [illegible]
[illegible] medie [illegible]
ut ad a[illegible] a[illegible]
latitudinis lune ad medium eclipsis [illegible]
latitudinis ad finem eclipsis [illegible] lineam equaliter
distantem diametro a loco latitudinis lune [illegible]
eclipsis ab oriente [illegible] tactus [illegible]
circumferentia [illegible] circuli [illegible] ad
[illegible] eclipsis [illegible] a loco
latitudinis lune [illegible] eclipsis [illegible] et locum
tactus [illegible] lune ad finem eclipsis in
circumferentia [illegible] circuli [illegible]
[illegible] centrum linee circuli [illegible]
[illegible] observatio
[illegible] lune [illegible]
[illegible] observandi [illegible] circuli
lunaris [illegible] circuli
umbre



Et si volumus scire 10.1. partem 1e columne tunc sub-
trahe lineam a 2a parte columne et quod manet
erit 10. d sive 1a linea 1e columne [illegible]
[illegible] et [illegible] [illegible] 11a sive 2am
1e columne et cetera quod [illegible] [illegible] ad 7 columnam
quod [illegible] a 18 d et si volumus scire 18um columne
10 2 11as

Tempus est mensura motus ut vult Aristoteles quarto physicorum. Cum igitur motuum superiorum consideratio nobis temporis praecognitionem exigat ut quanta temporis quantitas motui sibi conveniat cognoscatur, est intelligendum quod in distinctione temporum ad usum tabularum Alphonsii intendimus modo physico scilicet per numerum sexagenarium ut dies temporis et signa conveniant. Unde cum in astronomia dividitur integrum, et cum collecta fuerint 60 gradus ponimus pro eis unum signum in istis tabulis fractionibus et gradibus ... minuta 60 secunda et sic per ordinem ... per dies tamquam ab integro per divisionem procedimus sicut in gradibus et in signis ... colligendo et frangendo. Colligimus namque dies ab uno usque ad sexaginta et vocamus dies prima, et cum collecta fuerint 60 prima ponimus pro eis unum secundum, et plus 60 ponimus duo, et ut breviter dicatur, pro quibuslibet 60 primis ponimus unum et vocamus illa que ibi colliguntur secunda, et pro quibuslibet 60 secundis ponimus pro eis similiter unum tertium et vocamus ea tertia, et colligimus usque ad 60 pro quibus ponimus unum et vocamus ea quarta.

Dicatur ergo breviter quod dies unus prima 60, 60 prima faciunt unum secundum, 60 secunda unum tertium, 60 tertia unum quartum, ultra cum quarta non procedimus quia non indigemus, esset enim plures quam 372882 anni Persarum (?) 19 dies anni 60 quarta completa ... quia dies que ponuntur in eis sunt completi secundum omnia alia quae inveniuntur que sunt completa. In frangendo autem similiter procedimus per dies sexagenarios dividendo unum diem in 60 partes equales quas vocamus minuta dierum et quodlibet minutum in 60 secunda et sic consequenter. Ista autem distinctio temporis est multum conveniens ad inveniendum motus planetarum cum distinctione motuum secundum sexagenarios. Sicut enim cum ... planeta in uno die medius motus ...

... quia 365 diebus medius motus perficit signum, 12 ... 60 gradus ... in uno die ... per dies medius motus ... 60 per gradus ... Canon extractionis annorum.

Numerum annorum mensium et dierum incarnationis a principio annorum eorum nobis notorum ad 4 tabulas reducere, intra numerum annorum Christi 367 et numeros quos inveniunt ... quia per annos Christi ... quia per si(?) ipsos volumus, divide numerum annorum Christi et numerus quem exit ... numerus quem quaeris per 4 ... sunt ... annos Christi ... surgit ... bisextili quia ... dies remanserit ... anni ... bisextili ... in eorum dies cum quibus diebus adde dies mensium anni ipsius ... ultra annum completum habueris et dies ... ipsius ... dies ultra menses completos habueris et numerus provenit et numerus dierum conveniet a principio istius ... usque ad tempus praesens.

Quo facto divide numerum dierum Christi per 60 et illud quod remanet post dies pone in loco primorum et quod sunt dies ... numerum quem provenit per divisionem dierum divide per 60 et quod remanserit pone in loco secundorum. Deinde divide iterum numerum quod provenit per divisionem per 60 et quod remanserit pone in loco tertiorum; quo facto numerum quartorum tunc provenientem pone in loco quartorum et tunc sufficit quia ultra quarta non procedimus nisi elapsa fuerint ultra multa milia annorum.

Numerum annorum mensium et dierum Christi ... 3 et 2 ... per tabulas adiacentes reducere ... numero annorum Christi ... Si Christi 19 ... annos volumus reducere ad ... Graecorum annos Arabum intrare in tabula ... annis Arabum ... annos ... tabula ... annus ... autem

.7c.

Nunc aut[em] tabula[m] [illegible] cuius est per
p[er]tytulos tabulas [illegible] [illegible] numeru[m] annos
p[ro]positos i[n] linea [illegible] [illegible] [illegible] sinistra
q[ui] i[n] tytula[m] m[inu]s annos collectos [illegible]
minus annos [illegible] potes inve[n]ire [illegible]
[illegible] [illegible] 2[a] [illegible] [illegible] [illegible]
[illegible] [illegible] inve[n]ies [illegible] [illegible] minori m[inu]s
[illegible] [illegible] 3. 2. [illegible] [illegible] i[n]venies
scribe [illegible] [illegible] [illegible] [illegible] [illegible] annos
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
i[n]venies [illegible] [illegible] 2[a] [illegible] [illegible] scribe
[illegible] [illegible] [illegible] scripti [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] scribendo [illegible]
inve[n]ies [illegible] [illegible] scripte [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] tabule
[illegible] [illegible] [illegible] [illegible] annos
collectos [illegible] [illegible] sequentes [illegible]
annos expansos [illegible] aut[em] collecti [illegible]
tabule augme[n]t[antur] [illegible] [illegible] [illegible]
[illegible] 20 [illegible] 40 [illegible] 100 [illegible] 1000 [illegible]
tabulas [illegible] expansi aut[em] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
habundi [illegible] menses [illegible] annos
[illegible] [illegible] [illegible] [illegible] [illegible] tabula
[illegible] [illegible] [illegible] inve[n]ies scribe
[illegible] [illegible] scripti [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] tabulis [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] 3 [illegible] annos [illegible] bissext[ilem]
[illegible] aut[em] anno bissext[ili] [illegible] [illegible]
tabulas [illegible] [illegible] [illegible] [illegible] bissext[ilem]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] bissext[ilem] [illegible] festum mathie ap[osto]li
[illegible] [illegible] [illegible] loco bissext[ili]
[illegible] tabula [illegible] [illegible] [illegible] adde ad
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] pleni[us] [illegible] [illegible] dies
pone [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] dies julii
[illegible] anni [illegible] [illegible] aut[em] [illegible]
[illegible] [illegible] dies [illegible] [illegible]
[illegible] annos [illegible] [illegible] annos
[illegible] [illegible] [illegible] [illegible] [illegible] annos [illegible]
[illegible] [illegible] [illegible] 1000. [illegible] inve[n]ies

[illegible] [illegible] [illegible] [illegible] 3. [illegible] 2. 3. [illegible] [illegible] scribo
[illegible] [illegible] [illegible] [illegible] 326 anni quos
[illegible] [illegible] i[n] ea linea annos collectos [illegible]
[illegible] [illegible] [illegible] [illegible] aut[em] [illegible] 300 [illegible]
[illegible] 0 [illegible] 30 3 26 2. 1 [illegible] [illegible]
[illegible] 26 anni [illegible] quos [illegible] [illegible] i[n] ea
linea annos [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] tabule [illegible] annos expansos [illegible]
[illegible] [illegible] [illegible] [illegible] 26 [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] anni[s] [illegible] [illegible] [illegible]
2 3 [illegible] [illegible] [illegible] [illegible] 6 anni [illegible]
que i[n] ea linea [illegible] [illegible] 0. 3 [illegible] 6.
2[a] 3 [illegible] [illegible] [illegible] menses [illegible] quibus
[illegible] tabule mensiu[m] [illegible] numer[us] [illegible]
[illegible] [illegible] 3. 2. [illegible] [illegible] [illegible] 2 dies
quos pona[s] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] 2 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] tale ordine [illegible] [illegible]
[illegible] [illegible] [illegible] 3. 2. 1. [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] 2 [illegible] [illegible] 3 [illegible] [illegible]
[illegible] [illegible] Consequent[er] [illegible] 376 296 [illegible]
que [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] 3 [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] inve[n]ies [illegible] tabula
[illegible] [illegible] [illegible] [illegible] [illegible] annos
[illegible] [illegible] [illegible] 3. 2. 1 [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] adde [illegible] [illegible] 3. 2. 1. [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] 3. 2. 1. [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] 3 [illegible] 3 [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] dies julii anni [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
3. 37. 2. [illegible] [illegible] [illegible] [illegible] 3. 2. 1.
[illegible] [illegible] [illegible] [illegible] [illegible]
i[n] tabula [illegible] [illegible] 3 [illegible] [illegible] [illegible]
2 [illegible] 2 [illegible] [illegible] [illegible] 39. 1. [illegible]
[illegible] adde ad [illegible] 3. 2. 1. [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

l. 3. 2. 1. dico 1° q̃ a tempore diluvii usque ad tempus presens
sit tot. l. 3. 2. 1. sicud vides. Quarta figura 3ª infra.

Ad inveniendum quot anni bisextiles fuerunt, 3us, 2us, 1us numerum annorum
infra dictos in tabula contentorum inveniendo
2° quaslibet ceteri intra cum numero quartarum, 3orum
2orum, 1orum in tabula apparata annus iste quos
scire desideras quere ea ipsorum lineis seorsum per se
linea et si inveneris numerum ipsorum perfecte
numeratorum in directo annos continentes scias de l.
3. 2. 1. non perfecte inveneris quere minorem numerum
propinquiorem illi subtrahe a 4is 3is 2is 1is quod habes
2 numerum annorum in directo inventi scribe et deinde
numerum et residuo et sic de teminis intrare
13 tabulam annos computatos et colligas
quos et infra donec totus numerus quartorum
3orum 2orum 1orum sit evacuatus. Cave de omni
e manus bisextili quo intratur tabula infra
ut de intrare tabulam subscriptam quod
tibi et prius cum potest quaerere
annus cum cyclo eius volueris quod...
eius sit et nota...
...l. 3. 2. 1. ... usque
ad tempus presens ... l. 3. ...
diluvii usque ad tempus presens ... illud ...
potest scire annos a tempore diluvii usque ad presens
et sic de omnibus aliis. Feriam invenire per...

Notum anni vel mensis vel et diei ...
... presentibus invenire intelligendum est quod
... quod feria ... invenire
nota annum anni mensis vel diei et invenire
in qua feria ... illo annus mensis vel dies
... volueris sic invenire ...
... et ... usque ad
... die ... nota scire volueris
ad l. 3. 2. 1. ... intra tabulam nostram
primo ... 2 ... numerum in directo scripti
in linea que intitulatur l. 4 scribe ... deinde
intra eandem tabulam ... numero 3orum 2 numerum
que in directo inveneris in linea que intitulatur
3 scribe sub ... post scripto deinde intra ...
... numero 2orum et numerum que in directo inveneris
in linea que intitulatur 2 scribe sub ... post
scriptum deinde intra eandem tabulam ... numero ...
... in directo sibi scribitur ...
... scribe sub ... prius scriptum ...
scribe radicem nostram ... opera

quas invenies in tabula radicum nostrarum ...
adde omnia adinvicem et quod per additionem provenerit
divide per 7 et subtrahe septem quotiens
potes et illud quod remanet ostendit numerum
ferie qua queris. ... remanet
... feria sequens ... reduxisti ...
... feria ... Horas minuta ad dies reducere

Numeros horarum minutorum horarum et aliarum
fractionum ad dies adequatas fractiones
... reducere ... tabulam
que intitulatur tabula ... horarum ad dies
... dies ... numerum horarum propositarum
in linea numeri que intitulatur horarum ...
quod in directo inveneris scribe ...
... minutorum horarum in tabula que intitulatur
tabula ad ... dies ... numerum minutorum
horarum ... et illud quod inveneris
in prima linea ... sit
minuta dies ... sequenti ...
... subscriptum ...
... horas ... eandem tabulam ...
et illud quod ... sit 2
dies ... sequenti ... cum
... subscriptum ... intratur ...
horarum in prima linea sit minuta dies ...
intratur cum 2 horarum in prima linea sit
... dies ... secundum ...
horarum ... dici sit ... 2 horarum
ad 2 dici ... minuta ... primum
solo fractionum ... adde adinvicem ...
... 2 arte algorismi ...
... per additionem provenerit erunt minuta dies
... horarum ... minuta ... 2
... tabula fuit ut
... horarum equalibus ... aqua
... completum ... operatus ... fuerit
... horologium possunt motum eius ...
... talis ... dico ...
... minuta dies. Minuta dierum reducere ad horas

Minuta dies ... ad horas ... minuta horarum
2 ... reducere ... quod ... ceteri ... primo
numerum minutorum dierum ... in tabula
que intitulatur tabula ... horas ...
numerum que ... in proxima linea sit
horarum ... sequenti ... minuta horarum

sicud subscriptum invenit et tunc scribe eam contra
diem intratum cum diebus in linea minuti in capite
tabule et tunc quod inveneris ipso in linea secunda
minuta hore et postea secundum scribe eam contra
alios prius scriptos qui subsequenter [illegible] diem
minutum eius cum diebus si [illegible] et id quod inveneris
in prima linea sunt hoc et postea subscribe
eam [illegible] scriptis et primum divisa
subscriptorum cum diversis introitibus [illegible]
[illegible] in prefato anno [illegible] adde omnia
in unum et habebis id quod quesivisti [illegible]
tale sunt ut [illegible] quatuor ut
eclipsis [illegible] alphonsii in quibus operamur
per minuta diei et non per horas sicud [illegible]
in parte [illegible] in horas et minuta horarum
dies et [illegible] elevata ut [illegible]
[illegible] disserta sunt per hunc modum possumus
locum et faciliter observare [illegible]

Quomodo [illegible] radix [illegible] radix
talis motus ut tabulis. Sciendum quod radix
alicuius motus nichil aliud est quam motus [illegible] signorum
in quo fuit ille motus in principio illius ere cuius
est radix sicut [illegible] in tabula radicum solis
radix [illegible] est [illegible] signa 38 gradus
21 minuta [illegible] est [illegible] medio cursu [illegible]
[illegible] computate ab [illegible] fuerit linea
medii motus solis [illegible] in meridie ultime
diei decembris sive in principio januarii et hoc
intellige de [illegible] motibus medijs in radicibus
[illegible] loquor in epiciclo
[illegible] distantia centri planete ab auge media epy
cicli in principio illius ere cuius est radix [illegible]
[illegible] lune [illegible] tabula [illegible]
[illegible] signa 19 gradus 2 [illegible] que
[illegible] januarii ut [illegible]
cursus lune ab auge media fuit tanta
et sic [illegible] motus computatum ab [illegible] in
circulo signorum [illegible] media
computata ab auge media in epiciclo

Revoluciones annorum mundi ideo [illegible]
[illegible] ut [illegible] vel [illegible] in
[illegible] in [illegible] horarum [illegible]
[illegible]. Sciendum quod revolucio anni est
revolucio solis ab eodem puncto ad eundem punctum
[illegible] in [illegible] solis in eodem puncto in quo
fuit sol in principio [illegible]
revoluciones annorum mundi est introitus solis
in primum minutum arietis. Revolucio [illegible]
annorum [illegible] est [illegible] solis ad eundem

punctum [illegible] in quo fuit [illegible] Revolucio annorum
[illegible] vel [illegible] castri vel
edificij est [illegible] solis ad eundem [illegible] zodiaci
in quo fuit in principio fundacionis sue [illegible]
[illegible] Capitulum [illegible] volueris invenire revolutiones
annorum [illegible] introitum solis in
arietem [illegible] anno [illegible] noto [illegible]
[illegible] dies horas minuta [illegible]
[illegible] intra tabulam [illegible]
[illegible] revoluciones annorum mundi ut [illegible] volueris
[illegible] sunt [illegible] ad [illegible]
annum [illegible] revoluciones sic volueris et [illegible]
istorum annorum in tabula [illegible] revolutionum
annorum mundi in suis fractionibus et [illegible]
horas minuta [illegible] in [illegible] invenies adde
[illegible] horis et minutis [illegible]
[illegible] horas ad [illegible] plus
[illegible] pone [illegible] in diebus [illegible]
post [illegible] introitus solis
in [illegible] et horas [illegible]
fuit bisextilis [illegible] dici [illegible]
[illegible] Capitulum revoluciones
annorum nativitatis ut [illegible] ut
[illegible] invenies [illegible]
hora nativitatis [illegible] subiecto
[illegible] dies et horas [illegible] et minuta [illegible]
[illegible] tunc predicte et [illegible]
tabula [illegible] introitum solis [illegible]
[illegible] et [illegible] bisextilis [illegible]
bisextilis [illegible] bisextilis [illegible]
[illegible] dici precedentis [illegible]

Revolucionem annorum [illegible] ad gradum
ascendentem invenire. Sciendum quod revolucio ascen
dentis anni nichil aliud est quam [illegible] gradu ascende
ntis [illegible]
[illegible] revolucio anni fuit [illegible] quod
[illegible] tabula [illegible] gradum equinoctialis [illegible]
[illegible] quam operabantur [illegible] falsissima
[illegible] facere possit [illegible] ascendens
signorum sunt [illegible] et [illegible] ponunt in
tabula revoluciones annorum in suis fractionibus [illegible]
[illegible] volueris [illegible]
equinoctiale [illegible] in [illegible] anno noto subiecto
[illegible] gradum ab [illegible]
[illegible] gradum [illegible]
[illegible] equinoctialis [illegible] ortu
[illegible] tunc [illegible]
[illegible] volueris gradum ascendentem in revolucione anni

anni intrans cum numero annorum collectorum qui sunt ante
radicem tuam usque ad annum completum quere in tabula
[illegible] in tabula revolutionum annorum collectorum et numerum
graduum minutorum et secundorum et quod in directo inveneris
adde cum radice tua scilicet gradus cum gradibus
minuta cum minutis et cetera si post additionem provenerint
plures gradus quam 360 remove 360 et residuum similiter
et hec per primam canonem qui est in ortu in alio uno
linee [illegible] hunc per zodiacum quod est in ortu in
nomine stellarum ascensionem signorum ut patet tabula
quod declarare fit nimis longum. Invenies cum tu
numero graduum inventorum in tabula in tabula tabula
ascensionum ultimi medii anni climatis quod est ad
[illegible] ut [illegible] per duas tabulas et inde
[illegible] usque sunt sed in linea prima illius [illegible]
et inde quod signum sit in linea dicta superius
[illegible] ascendens in zodiaco. Ad motus planetarum

Medium motum solis et lune capitis et argumenti
media veneris et motum similiter motum accessus
et recessus octave spere et motum augium et stellarum
fixarum planetarum ad hoc statim invenies. Reduc
totum tempus a principio alicuius ere tibi note usque ad
horam operationis tue ad [illegible] in prima [illegible]
reduc horas et minuta horarum ad minuta et dies [illegible]
horis horas et minuta horarum quo facto scribe post
radicem eius motus quem sic operaberis ad tempus illius
motus quem sic operaberis ad tempus eius eius ere ad quod
operatur. Nota quod si queris medium motum solis
scribe radicem medii motus solis et cetera si operaris
ad annos [illegible] quere radicem in tabula [illegible] si vero
operari volueris ad annos scribe radicem eius co[illegible]
[illegible] radicem quere scripta in tabula vel tabula
[illegible] tabula eius motus quem queris primo
cum numero quartorum et quod inveneris in linea que
intitulatur [illegible] post lineam numeri sunt signa
[illegible] gradus [illegible] minuta et secunda et sic
[illegible] scribe ea sub radice prius scripta
[illegible] sub [illegible] gradus sub gradibus [illegible]
[illegible] minuta sub minutis [illegible] cum
numero [illegible] tabula et quod inveneris in linea
que intitulatur signa [illegible] gradus et ordine
scribe ea [illegible] scripta [illegible]
[illegible] intra cum [illegible] et quod inveneris in
linea que intitulatur [illegible] scribe ea
[illegible] scripta [illegible] [illegible]
[illegible] et quod inveneris in linea que intitu-
latur prima sunt signa et sequenti gradus
et [illegible] scribe ea ordine consueto. [illegible]

facto si habes minuta dies [illegible] cum eis in tabula
[illegible] in linea numeri et quod inveneris in opposita
linea sunt gradus [illegible] et [illegible]
intra cum [illegible] dies in [illegible] tabula et quod
inveneris in prima linea sunt minuta et
[illegible] scribe ea [illegible] sub aliis prius scrip-
tis et sic facies si habes plures tres frac-
tiones [illegible] fractio temporis [illegible] fractam
graduum correspondeat [illegible] [illegible]
tabularum quo facto adde omnia adinvicem [illegible] ascen-
sionis [illegible] et quotienscumque per additionem
venerit 60 totiens pone unitatem
in loco fractionis immediate grossioris et [illegible]
modus [illegible] est [illegible] usque ad signa
[illegible] gradus [illegible] unum signum [illegible]
[illegible] una revolutio et cetera si per additionem
signorum [illegible] plura signis [illegible] sub-
trahe [illegible] quotiens poteris et residuum [illegible]
[illegible] illud quod queris in [illegible] [illegible]
et quod radices posite [illegible] tabulis sunt posite
ad meridianum toletanum [illegible] si non ad meri-
dianum tuum sic volueris [illegible] motus
[illegible] inventos invenies [illegible] ci[illegible]
tua sit orientalior vel occidentalior
[illegible] tempore quem motum quem volueris
[illegible] a motu invento si civitas
tua sit orientalior vel adde si fuit occidentalior
[illegible] subtractionem vel additionem provenerit et
motus quem queris ad meridianum tue
civitatis. Nota tamen quod illud opus potes vel
[illegible] vel [illegible] radices ad
meridianum tuum [illegible]
qua [illegible] potes [illegible] anni
querere [illegible] motus et media argumenta
et pone in una cedula et tene pro radice
eius anni [illegible] operis alleviatio [illegible]
[illegible] toto anno [illegible] primus
[illegible] et minuta [illegible] dies [illegible]
[illegible] dies. [illegible]

Tempus [illegible] medie [illegible]
[illegible] medie solis [illegible]
[illegible] invenire [illegible]
[illegible] addere [illegible] vel [illegible]
[illegible] quadratura media [illegible]
[illegible]
scribe post radicem [illegible] motus [illegible] que [illegible]
[illegible] post [illegible] in tabula
elongationis medie solis et lune [illegible]

	d.	ho.	m.	2	3	4
	29	12	44	3	2	48 — ad coniunctionem
Adde	14	18	22	1	31	12 — ad oppositionem
	7	9	11	0	47	36 — ad quadraturam

medial. coniunct. · med. opp. · quadratura med.

... comparando signa eorum cum medio motu lune, deinde signa et gradus [illegible] ... adde super signa prius in eodem tempore esse mediam coniunctionem ... Si vero provenerint 3 signa, prius in eodem tempore est media oppositio. Si vero provenerint 9 signa vel 3 signa, in eodem tempore est quadratura media. Et vero media coniunctio quando linee medii motus sunt in eodem loco zodiaci. Media vero oppositio quando sunt in locis oppositis. Quadratura media quando distat per quartam partem circuli scilicet per tria signa et 30 gradus vel 3 signa [illegible]. Si vero non provenerint 6 signa ... a 30 gradus prius, tunc si volueris invenire coniunctionem subtrahe illud quod provenit de 6 signis et residuum serva. Si autem volueris oppositionem subtrahe illud quod provenit de 12 signis et residuum serva. Si vero quadraturam mediam, subtrahe illud quod provenerit ab uno signo et 30 gradibus et residuum serva. Quo facto que illud residuum in tabula medie elongationis. Si fuerint aliqua signa que ea in prima linea post lineam minutorum, si prius [illegible] signorum gradus et si non inveneris tunc accipe minorem propinquiorem et inde minutorum scriptum in directo in linea minutorum que scribe quot sunt dies et fractiones. Deinde subtrahe illud quod accepisti in tabula scilicet signa gradus minuta [illegible] que habebas [illegible] a signis gradibus residua usque ad [illegible] quo intra tabulam eandem et si fuerint [illegible] scripto que eos in prima linea post lineam minutorum et si ibi eos inveneris id quod scriptum est in linea minutorum sunt minuta dierum scribe ea [illegible] post dies et fractiones. Si vero fuerint tot gradus quot non potuit in prima linea invenire, tunc que eos in 2a linea ... et nichil in prima linea [illegible] accipe in modo propinquiorem et tunc illud quod scriptum est in linea minutorum sunt dies scribe eos [illegible] supra scriptis. Quo facto cum aliquid fuerit residuum subtrahe illud quod recepisti in tabula a [illegible] et illud residuum quere in eadem tabula et si residuus fuerit minuta et invenies ea in prima linea, tunc illud quod scriptum est in linea minutorum sunt 2a dierum. Si autem sunt tot 2a quod in prima linea non potuit inveniri, tunc quere ea in 2a linea et si [illegible] nichil in 2a linea, tunc quod scriptum est in linea minutorum sunt 3a dierum [illegible] ... scriptum

residuo et tertio donec totum numerus compleatur. Quo facto simul [illegible] comparandi secundum tabulas [illegible] queritur anni [illegible]. Et scias quod dies sic inventi sunt completi computati a meridie diei precedentis. Omnium autem [illegible] sunt completi secundum anni menses et signa et omnia que [illegible] sunt completa. Quo facto dies et minuta et ceteras fractiones diei quas invenisti preparatas adde ad tempus cum quo composuisti mediam elongationem et quod post additionem provenit est tempus coniunctionis vel oppositionis medie. Si vero habita coniunctione volueris modo [illegible] aliam invenire oppositionem vel e contra habita oppositione invenire coniunctionem sequentem, quod equale est utrobique, adde super tempus coniunctionis si volueris habere oppositionem sequentem vel super tempus oppositionis si volueris coniunctionem sequentem 14 dies 45 minuta diei vel 14 horas quod idem est 22 2a 3 3a 48 4a. Propterea [illegible] habita prima coniunctione anni per solam additionem mediorum potuit [illegible] coniunctiones et oppositiones 19 anni invenire. Et cum [illegible] operari volueris que per [illegible] coniunctionem anni [illegible] et [illegible] tempus [illegible] a [illegible] usque ad primum 19 anni cum prima [illegible] ad [illegible]. Et cum [illegible] primo [illegible] et hoc ea [illegible] et illud quod inveneris subtrahe de [illegible] signis et [illegible] quod permanserit intra primam [illegible] dierum acceptis diebus [illegible] dies qui sunt ... anni usque ad primam coniunctionem tunc ea [illegible] anni usque ad primam coniunctionem istius anni. Item si volueris invenire primam coniunctionem vel invenire sequentem adde super radicem [illegible] 29 dies 31 minuta diei 50 2a 8 3a 20 4a quod tempus est ab una coniunctione ad aliam et si illud addideris super 2am provenit [illegible] et si oppositionem [illegible] volueris adde super tempus cuiuslibet coniunctionis [illegible] positum scilicet 14 dies 45 minuta diei 55 2a 3 3a 48 4a quod tempus est a coniunctione usque ad oppositionem vel ab oppositione usque ad coniunctionem. Si volueris invenire quadraturas [illegible] medii motus lune a medio motu solis per 4tam partem circuli adde super tempus coniunctionis 7 dies 22 minuta 57 2a 31 3a 54 4a et habebis quadraturam primam et adde id super tempus oppositionis et habebis quadraturam 2am et istos motus [illegible] poteris in marginibus tabularum invenire. Et [illegible] laborem querendi [illegible] per [illegible] alleviari.

Ut tempus eclipsis solis in aliqua coniunctione vel eclipsis lune in aliqua oppositione possit [illegible] inveniri [illegible] anno arabum latinus [illegible]

	d	ho	m	2	3	dies
opp.	14	47	77	3	48	
coniunctio	29	31	70	4	34	
quadratura	7	22	74	31	74	

Habebis tempus coniunctionis, prima coniunctio, quadraturam — Si queris

invenienda

ad tempus coniunctionis si quis potest eclipsis solis vel ad tempus oppositionis si quis possit eclipsis lune si si argumentum latitudinis fuit nichil in signis et minus 12 gradibus vel quinque signis et plus 18 gradibus vel 6 signis et pluribus 8 gradibus vel 11 signis et minus 12 gradibus. Sic eclipsem fore possibile. Si autem extra illos terminos inveneris impossibilis est eclipsis.

Modum corrigendi tabulas motuum ex [illegible] facias de novo si tu habeas motum unius diei subiunge [illegible] motum unius diei cum tabulas volueris corrigere. [illegible] est motus cuiuslibet diei [illegible] scriptus est in prima linea tabule [illegible] in superiori parte tabule. Tunc si dubitas de aliqua tabula [illegible] sit [illegible] scriptum [illegible] linea [illegible] parte [illegible] dubitas [illegible] scribe [illegible] scribe motum unius diei [illegible] tabule et adde [illegible] proveniet [illegible] linee de qua dubitas [illegible] si dico [illegible] dubitas [illegible] accipe lineam quamcumque volueris in tabula et scribe eam [illegible] parte [illegible] scribe [illegible] scriptum [illegible] subtrahe eam a [illegible] remanebit motus unius diei [illegible] prima linea tabule [illegible] si non concordat [illegible] concordat accipe [illegible] parte tabule duas lineas et subtrahe unam ab alia [illegible] concordantia [illegible] certificatus de motu diei [illegible] tabula in pluribus locis sit falsa [illegible] certificatus fueris potes [illegible] tabulam corrigere et totam facere [illegible] falsa [illegible] scribe motum unius diei et eum duplica et duplatum erit motus duorum dierum [illegible] adde adhuc motum unius diei [illegible] motus trium dierum [illegible] adde motum unius diei [illegible] motus 4 dierum [illegible] adde motum unius diei [illegible] donec compleas columpnas et erit tabula.

Verus locus augium [illegible] completa [illegible] invenire [illegible] motum augium et stellarum fixarum [illegible] accipe radicem de qua [illegible] dictum in medijs motibus [illegible] motum accessus et recessus [illegible] adde radicem motus 8e spere [illegible] ibi signa [illegible] cum [illegible] adde [illegible] motus 8e spere [illegible] [illegible] in tabulis equationum accessus et recessus [illegible] que [illegible] gradum [illegible] linea [illegible] quos ibi inveneris si sint pauciores 90 [illegible] linee [illegible] usque 90. Si autem fuerint plures gradus quam 90 [illegible] ordine [illegible] vel [illegible] ita quod si volueris [illegible] 89 [illegible] 91 accipe 88 [illegible] 93 accipe 87 [illegible] usque ad [illegible] tabule et erit 180 gradus [illegible] equatio [illegible] si non fuerit ultra 180 [illegible] tabule ita quod 180 [illegible] 181 [illegible] 182 [illegible] 183 [illegible] donec [illegible] et tunc erit 270 gradus [illegible] non fuerint plures quam 270 [illegible] tabule usque [illegible] ita quod [illegible] 271 [illegible] accipe 89 [illegible] 272 [illegible] 88 [illegible] usque ad [illegible] tabule [illegible] tunc 360 [illegible] tunc [illegible] equatio [illegible] computabe [illegible] non indiges [illegible] erit [illegible] 90 gradus [illegible] in lineis numeri [illegible] in duabus lineis [illegible] scribe eam [illegible] in duobus locis [illegible] minuta ultima [illegible] gradum [illegible] adde [illegible] unius gradus additum [illegible] si intrasti [illegible] minuta ultima [illegible] 60 gradus [illegible] in duabus equationibus [illegible] scribe illud [illegible] equationis [illegible] accepisti [illegible] 2a [illegible] subtrahe [illegible] in duas equationes [illegible] accipe partem proportionalem [illegible] minutis [illegible] ultima [illegible] 60 [illegible] duas equationes fuerit minuta [illegible] in duodecies [illegible] minuta [illegible] ultima [illegible] numerus [illegible] minuta [illegible] illud quod [illegible] numerus [illegible] erit numerus proportionalis [illegible] partem proportionalem adde equationi [illegible] accepte. Si [illegible] subtrahe [illegible] si [illegible] fuerit [illegible] addita vel subtracta [illegible] motus 8e spere [illegible] habito adde illud cum motu augium et stellarum fixarum que [illegible] 10 gradus [illegible] quesivisti equationes fuerit pauciores [illegible] 180 [illegible] vel subtrahe si fuerint plures [illegible] addito vel subtracto [illegible] adde radici [illegible] augis volueris [illegible] locum [illegible] ita operatio est [illegible] motibus [illegible]

2 si add... [illegible] cos

bendis [illegible] nullus planeta verum locum potest
invenire sine motu augis excepta luna
sicut patebit in sequentibus. Dico locum solis [illegible]

Verum locum solis sic invenire [illegible] in 8 spera
que sum medium motum solis
ex sua tabula et sum stas augis solis ex tabula
predicta, quam augem subtrahe a medio motu
si potes, id est si medius motus fuerit maior quam aux.
Si autem non potes subtrahere, id est si medius motus
fuerit minor auge, mutua unam revolutionem
id est 6 signa physica, et postea subtrahe augem
et quod post subtractionem provenit erit argumentum
solis. Hic nota quod in toto canone [illegible] sequentibus
quorumcumque planetarum in canone subtrahe
tale minus a tali [illegible] subtrahe
sive iste minus [illegible] subtrahendo sit maior
sive minor illo quod debet subtrahi, cum si iste minus
a quo debet subtrahi sit minor, addenda est
una revolutio id est 6 signa et postea fiat subtractio et hic
diligenter nota. Habito igitur argumento solis
intra cum eo tabulas equationis solis et quod
est minus completum in lineis numeri [illegible]
minus argumentum [illegible] invenerit [illegible]
signa et gradus sine minutis [illegible] invenies in
directo equationem solis, quam equationem subtrahe a medio
motu si argumentum solis minus quod invenisti
equationem fuerit minus 3 signis, vel adde
eandem cum medio motu si argumentum fuerit plus
quam 3 signa, et quod post additionem vel sub-
tractionem provenit erit verum locum motus solis in
octava spera. Cum non invenerit magis
non [illegible] equationem et [illegible]
[illegible] solis ultra signa et gradus
[illegible] minuta [illegible] fuerint plura quam 30 [illegible]
[illegible] pone vel adde unum gradum [illegible]
gradibus argumenti. Et si fuerint pauciora minuta
quam 30 [illegible] non invenerit [illegible] in tabula
habebis equationem [illegible] partem proportionalem
[illegible] satis precise [illegible] gradu
solis. Et similiter posses facere in aliis planetis.
[illegible] non sufficit volenti precise operari
[illegible] nos tradere completam doctrinam in tra-
[illegible] itaque cum argumento ut dixi [illegible]
minus signorum et graduum in lineis numeri et
[illegible] equationem [illegible] gradibus
[illegible] residuis [illegible] invenerit scribe

[illegible] in duobus locis [illegible] argumento ultra signa [illegible]
[illegible] gradus fuerint aliqua minuta [illegible] adde argumento
unum gradum [illegible] intrantes
[illegible] equationem [illegible] scribe [illegible]
[illegible] equationes [illegible] subtrahe
[illegible] a [illegible] quod [illegible]
[illegible] equationem [illegible] equationem [illegible] debet
[illegible] gradui [illegible] loco tabule [illegible]
accipias talem partem proportionalem qualis
pars [illegible] minuta [illegible] in argumento uno
gradu [illegible] accipe
partem proportionalem [illegible]
fuerint ultra gradus [illegible] ad 60 [illegible]
partem proportionalem adde [illegible] equationi. Si [illegible]
fuerit maior ut [illegible] subtrahe [illegible]
erit minor [illegible] post subtractionem vel additionem
provenerit est [illegible] solis [illegible]
[illegible] equationem [illegible] a medio motu solis
[illegible] argumentum solis fuerit
[illegible] minus 3 signis [illegible] adde si
argumentum fuerit plus 3 signis [illegible] post addi-
tionem vel subtractionem provenerit est verum
locum solis in [illegible] spera [illegible]
[illegible] signo [illegible]
quia [illegible] fuerint 30 gradus ut plures
ultra signa [illegible] 30 gradus unum signum
[illegible] numero signorum [illegible] gradus
[illegible] solis [illegible]
[illegible] precise [illegible] partem proportionalem
[illegible]
[illegible] canone. Si [illegible]
[illegible] equationem fuerint minuta [illegible]
[illegible] multiplicata minuta [illegible]
[illegible] adde [illegible] habes [illegible] illud
[illegible] non obstante [illegible]
[illegible] minuta [illegible]
[illegible] argumento ultra signa [illegible] gradus [illegible] volens
multum precise operari [illegible]
Si autem non [illegible] precise accipe minuta
solis [illegible] fuerint plura quam 30 pone [illegible]
unum minutum [illegible]
[illegible] argumenti [illegible]
[illegible] provenerit [illegible] minuta
[illegible] minuta [illegible]

Si 2a per 2 [illegible] proveniet quantitas / Quantitates frac-
[illegible] divide minuta per 60 et reddibit fractio in [illegible]
grossior, verbi gratia si producta proveniunt [illegible]
[illegible] proveniet [illegible] [illegible] [illegible] plus
[illegible] manet [illegible] [illegible] [illegible]
[illegible] divide per 60 [illegible] [illegible]
remanet [illegible] [illegible] si fuerint
plus quam 60 divide ea per 60 [illegible]
[illegible] remanet [illegible] / quo facto [illegible]
[illegible] proportionalem [illegible] [illegible] adde
equacionem [illegible] / si 2 fuerit [illegible] vel sub
trahe eam [illegible] / si 2 fuerit minor [illegible]
[illegible] [illegible] [illegible] sunt equales
[illegible] non [illegible] proportionalis [illegible]
[illegible] addatur vel subtrahatur [illegible]
[illegible] Si [illegible] argumento [illegible]
[illegible] habuerit [illegible] fractiones [illegible]
[illegible] illas fractiones
reductas ad [illegible] genus [illegible] equacionem / et
reducta ad idem genus [illegible]
[illegible] gradus / ibi [illegible] signis [illegible]
[illegible] 60 [illegible] dividatur / et habebis
equacionem quesitam / Si non [illegible]
signis [illegible] gradibus [illegible]
[illegible] fractiones [illegible] habueris adhuc aliquas frac-
tiones [illegible] quas [illegible] [illegible]
[illegible] proportionale / [illegible] equacionem [illegible]
[illegible] signorum [illegible] gradibus [illegible]
[illegible] fractiones [illegible] adhuc [illegible] / [illegible]
divide per 60 [illegible] [illegible] [illegible]
[illegible] subtrahe [illegible] [illegible] signis
[illegible] gradibus [illegible] habebis equacionem [illegible]
[illegible] addas vel subtrahas [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] proportionale [illegible] minuta [illegible]
fractiones ultra signa [illegible] argumento
[illegible] Sequitur canon de medio motu lune

Medium motum lune per tabulas inve-
nire. Quere medium motum lune sicut [illegible]
[illegible] quere medium motum solis quem subtrahe
a medio motu lune [illegible] remanet duplex
[illegible] centrum lune [illegible]
[illegible] Si duplex distantia [illegible] solis
[illegible] distantia [illegible] auge [illegible]
[illegible] medium lune [illegible] distantia [illegible]
[illegible] medium lune [illegible] [illegible]
medium motum [illegible] que argumentum [illegible]

lune [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] lune
[illegible] equacionem lune [illegible] equacionem [illegible]
[illegible] introitu Si fuerint [illegible] minuta [illegible]
[illegible] [illegible] [illegible] [illegible] solis
[illegible] [illegible] [illegible] minuta
minuta proportionalia [illegible] [illegible]
introitu Si [illegible] [illegible] non [illegible]
[illegible] ut [illegible] medius
[illegible] [illegible] introitu Si [illegible]
[illegible] [illegible] [illegible] fit
[illegible] signis vel plus Si fuerit [illegible] — adde
adde equacionem [illegible] argumento medio Si
non [illegible] fuerit plus [illegible] signis [illegible] — subtrahe
equacionem subtrahe ab argumento medio [illegible]
[illegible] addicionem vel subtractionem proveniet
argumentum lune [illegible] argumentum [illegible]
equatum [illegible] distantia [illegible] lune ab
auge [illegible] [illegible] [illegible] minuta
proportionalia [illegible] [illegible]
[illegible] cum [illegible] argumento [illegible] ta-
bulas lune [illegible] equacionem [illegible]
[illegible] [illegible] [illegible] equacionem ar-
[illegible] [illegible] [illegible] [illegible]
introitu Si [illegible] si [illegible] [illegible]
signa [illegible] fuerint minuta [illegible]
[illegible] [illegible] [illegible] [illegible] — [illegible]
[illegible] vel ultra Si non habeas minuta
[illegible] [illegible] [illegible] [illegible]
[illegible] in uno gradu [illegible]
accipe [illegible] equacionem [illegible] [illegible]
[illegible] subtrahe [illegible] [illegible]
[illegible] [illegible] equacionem [illegible] accipe
[illegible] proportionale [illegible] minuta
[illegible] ultra gradus [illegible] [illegible]
adde [illegible] equacionem [illegible] fuerit [illegible] vel sub-
trahe [illegible] [illegible] fuerit [illegible] quod [illegible]
subtractionem vel addicionem proveniet [illegible]
[illegible] [illegible] ultra [illegible]
[illegible] Si non [illegible] minuta [illegible]
[illegible] [illegible] argumento [illegible] accipe
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] introitu Si [illegible]
[illegible] equacionis fuerit [illegible] minuta
ultra gradus [illegible] accipe [illegible]

[illegible marginal note in top margin]

arcuali brevis parte proportionale et [illegible] portionum minutorum proportionalium que [illegible] servabis ad 60 [illegible] equationum diversitatis diametri adde [illegible] vel [illegible] in proportionalia sua equationum [illegible] quod [illegible] ad [illegible] genus [illegible] numerum [illegible] aliud et [illegible] pro [illegible] parte proportionale quia [illegible] stationum solis [illegible] parte proportionale adde equationem argumenti [illegible] quod fuerit et equationem argumenti ultimus [illegible] adde [illegible] medio motu lune [illegible] argumentum [illegible] sunt [illegible] signis vel subtrahe [illegible] [illegible] centrum [illegible] sunt [illegible] epicicli [illegible] ab auge epicicli [illegible] auge epicicli [illegible] et medius motus [illegible] lune [illegible] equationem [illegible] subtrahenda [illegible] equationem [illegible] adde [illegible] vel subtrahe [illegible] adde vel subtrahe [illegible] pervenit [illegible] verus locus lune [illegible] in octava spera draconis

Verus locus lune

Verum locum capitis draconis invenire intelligendum est quod motus [illegible] circuli lune cum ecliptica que vocantur caput et cauda draconis [illegible] motus [illegible] ad partem oppositam [illegible] caput [illegible] cauda draconis [illegible] medio motu [illegible] firmamenti [illegible] vadit cum firmamento [illegible] subtrahe [illegible] signis [illegible] verum [illegible] successionem signorum [illegible] verum motum locum capitis [illegible] lune [illegible] motu [illegible] sua que subtrahe [illegible] signis [illegible] [illegible] remanserit erit verus locus capitis draconis [illegible] successionem [illegible] vero loco lune [illegible] [illegible] vero loco capitis [illegible] canone [illegible] argumento latitudinis invenire lune [illegible] ~~[illegible]~~ [illegible] sub trahe [illegible] locum capitis draconis [illegible] loco [illegible] remanserit erit argumentum

Motus draconis

Verus locus

Argumentum latitudinis

latitudinis lune [illegible] argumentum latitudinis lune distantia [illegible] lune [illegible] ideo argumentum latitudinis [illegible] latitudinis lune ab ecliptica Saturni Jovis Martis

Verus locus Saturni Jovis et Martis invenire [illegible] motu medio [illegible] verus locus [illegible] ad [illegible] [illegible] auge [illegible] [illegible] quod auge subtrahe a medio motu [illegible] remanserit erit centrum medium [illegible] medio motu motus [illegible] medium motum solis [illegible] subtrahe medium motum [illegible] a medio motu solis [illegible] remanserit [illegible] [illegible] medio motu centrum [illegible] motus [illegible] medius [illegible] motus [illegible] subtrahe a medio motu solis [illegible] argumentum medium [illegible] [illegible] media [illegible] auge media epicicli [illegible] [illegible] epicicli [illegible] sol [illegible] medius [illegible] distat planeta ab auge media sui epicicli [illegible] distat medius motus solis a medio motu [illegible] distantia [illegible] medius motus solis a medio motu [illegible] medius motus [illegible] planete [illegible] motu solis [illegible] habet distantiam [illegible] planete ab auge media epicicli [illegible] [illegible] habetur [illegible] medio motu [illegible] medio [illegible] equationem [illegible] planete [illegible] motu [illegible] centri [illegible] [illegible] gradus [illegible] medio [illegible] canone solis [illegible] ad partem [illegible] [illegible] addere [illegible] medio [illegible] [illegible] signis [illegible] adde [illegible] [illegible] addendum [illegible] [illegible] signis addendus [illegible] subtrahendum [illegible] addere [illegible] medio [illegible] subtrahe

argumentum medium

[illegible marginal note]

argumentum [illegible]

centri ab arcu medio [illegible] subtrahi, subtrahe eam a centro medio et residuum adde cum medio argumento et quod provenit erit centrum verum. Secundo secundum introitum cum centro equato in tabula [illegible] lineis numeri et accipe minuta proportionalia in directo scripta [illegible] cum duplici introitu [illegible] sub [illegible] titulo minutorum proportionalium [illegible] sit scriptum longior vel propinquior [illegible] scribe super in spatio eorum titulo [illegible] proportionalia [illegible] [illegible] [illegible] cum argumento equato [illegible] cum equato [illegible] [illegible] cum duplici introitu [illegible] accipe equationem argumenti in directo ponere [illegible] sua [illegible] equatio argumenti prima [illegible] [illegible] cum duplici introitu [illegible] sunt [illegible] [illegible] secundum [illegible] [illegible] solis. Accipe [illegible] [illegible] accepisti equationem argumenti [illegible] [illegible] diametri [illegible] longitudinis [illegible] cum duplici introitu [illegible] accipias [illegible] [illegible] Si [illegible] [illegible] sunt scripta longior vel longitudine [illegible] [illegible] [illegible] sunt [illegible] propior [illegible] diametri accipe [illegible] [illegible] [illegible] [illegible] [illegible] secundum [illegible] [illegible] [illegible] equatis [illegible] [illegible] [illegible] argumenti [illegible] accepisti [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] subtrahe [illegible] [illegible] accepisti [illegible] diametri [illegible] [illegible] in longitudine longiori [illegible] post additionem vel subtractionem provenient [illegible] equationis argumenti [illegible] [illegible] [illegible] scribe [illegible] adde [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] minue [illegible] [illegible] [illegible] [illegible] [illegible] equationem centri [illegible] [illegible] [illegible] equationem argumenti [illegible] [illegible] [illegible] [illegible] [illegible] sit scripta [illegible] adde eam [illegible] [illegible] adde medio motui planete [illegible] [illegible] [illegible] [illegible] [illegible] sit scripta minuenda [illegible] adde eam [illegible] subtrahe a medio motu planete. Si vero [illegible] [illegible] sit scripta addenda [illegible] [illegible] minuenda subtrahe [illegible] [illegible] [illegible] [illegible] [illegible] sit scripta [illegible]

addenda adde illud quod provenit post subtractionem medio motui planete [illegible] [illegible] [illegible] sit scripta minuenda subtrahe quod provenit a medio motu [illegible] post additionem vel subtractionem provenit erit verus locus planete [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] planetarum. De inventione veri

Veneris loci [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] superioribus excepto quod medii motus illorum sunt idem cum medio motu solis [illegible] Veneris [illegible] solis sunt [illegible] loco [illegible] [illegible] [illegible] superioribus [illegible] [illegible] argumenta [illegible] [illegible] [illegible] [illegible] subtractionem medios motus eorum [illegible] motu solis [illegible] [illegible] argumenta [illegible] [illegible] [illegible] [illegible] [illegible] loca [illegible] [illegible] medio motu solis [illegible] [illegible] medio motu [illegible] [illegible] [illegible] [illegible] [illegible] subtrahe augem [illegible] motu [illegible] eorum [illegible] superioribus [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] minutis [illegible] [illegible] [illegible] [illegible] titulo [illegible] [illegible] [illegible] sit longiori vel [illegible]

[illegible] solis [illegible] [illegible] [illegible] volueris [illegible] [illegible] veri loci solis [illegible] [illegible] [illegible] quo estimas quod sol parum distat [illegible] [illegible] [illegible] [illegible] signa [illegible] [illegible] distantiam [illegible] [illegible] [illegible] [illegible] subtractionem veri motus solis [illegible] [illegible] [illegible] distantia [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] motu solis in [illegible] minuto diei [illegible] [illegible] [illegible] [illegible] solem [illegible] solis [illegible] [illegible] minuto diei [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible]

remanet de quantitate solis motus in uno minuto
diei | que reduc et adde ei generalis plus de
motu | ad quod reduxisti distantiam solis ab
aucte est si reduxisti distantiam ad 2a in duc
et illud ad 2a in [illegible] uno seu diminue distan-
tiam reductam per motum solis [illegible]
in uno minuto diei et reductum [illegible] et numerus quotiens
erit minuta dierum | et serva ea ad partem et
scribe super ipsa minuta dierum | postea si remanserint
aliqua de numero pro diebus multiplica ea
[illegible] quod provenit dividere per [illegible] quod
provenit per motum minuti diei et numerus quotiens erit
2a diei serva ea post minuta dierum | deinde si
[illegible] remanserint de diebus multiplicata iterum per 60
et quod provenit divide per [illegible] quod provenit et numerus
quotiens erit 3a dierum | serva ea post minuta
et 2a prius servata | et tunc si aliquid remanserit
dividendo quod dividi non posset dica
[illegible] | quia opus satis [illegible] | exemplo
[illegible] minuta dierum [illegible] si [illegible]
[illegible] 60 ponere pro 60 [illegible]
manet [illegible] reducto [illegible] et
[illegible] manet in loco suo [illegible]
[illegible] dierum minuta 2a 3a [illegible]
adde tempore [illegible] reducto [illegible] [illegible]
[illegible] vero locum solis | et tunc tempore quod provenit
[illegible] locum solis [illegible] [illegible]
[illegible] 12 [illegible] [illegible]
[illegible] introitum solis in ariete vel in aliud
signum | si operaris cum alio signo | [illegible]
[illegible] [illegible] distantiam [illegible]
[illegible] [illegible] 2 [illegible] motus minuti diei
[illegible] utrumque ad [illegible] [illegible]
sunt [illegible] distantiam | deinde [illegible] minuti
diei [illegible] [illegible] [illegible]
minuta [illegible] [illegible] distantiam [illegible]
[illegible] dividi per motum minuti [illegible]
in uno minuto diei [illegible] per 60 [illegible]
divide et erunt [illegible] 2a
dierum | [illegible] remanserint [illegible] [illegible] per 60
et divide [illegible] [illegible] fractio [illegible]
sequens subtilior [illegible] 3a [illegible]
[illegible] [illegible] remanet [illegible] dies
[illegible] per 60 [illegible] [illegible]
divide [illegible] [illegible] minuti
diei donec sufficit [illegible] [illegible] tempus

[illegible] [illegible] [illegible] adde [illegible] [illegible]
[illegible] [illegible] [illegible] opera [illegible] solis
ad hoc ad [illegible] [illegible] [illegible] remanserit
[illegible] vel subtrahe a tempore [illegible]
[illegible] | [illegible] [illegible] opera [illegible]
[illegible] [illegible] [illegible] manet [illegible] [illegible] quod
provenit erit tempus introitus in ariete diebus non equatis
et tunc tempore debet [illegible] plus postea
[illegible] [illegible] dies cum noctibus [illegible]
[illegible] [illegible] [illegible] dies [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] accipe [illegible]
gradu [illegible] [illegible] [illegible] gradus
[illegible] hore [illegible] [illegible]
[illegible] [illegible] minuta dierum [illegible]
adde tempori quo introitum solis in ariete invenisti
et quod provenit erit tempus introitus solis in ariete
diebus equatis | et tunc illo tempore [illegible] gradus
[illegible] ascendens [illegible] [illegible]
et [illegible] [illegible] solis in figura celi [illegible]
[illegible] [illegible] introitu solis in ariete [illegible]
[illegible] medio motu lune habe [illegible] medium
motum solis [illegible] [illegible] sunt medii
motus solis et lune in [illegible] [illegible]
solis in medio motu [illegible] [illegible]
[illegible] [illegible] introitum solis in ariete intellige
ita de aliis signis [illegible] [illegible]
[illegible] [illegible] opera [illegible] distantia [illegible]
signo vel loco [illegible] motu solis in
[illegible] minuto diei | [illegible] [illegible] [illegible]
[illegible] celi [illegible] [illegible] [illegible] in loco
solis [illegible] [illegible] [illegible] [illegible]
[illegible] potest [illegible] [illegible] lune
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] multa
[illegible] operationibus [illegible] tempore introitus in
[illegible] ymagines | [illegible] et [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
introitu solis in ariete | [illegible] [illegible] signum
[illegible] [illegible] [illegible] [illegible] tota [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]

Tempus vero [illegible] [illegible]
solis et lune [illegible] [illegible]

Primo medias coniunctiones si volueris invenire veras coniunctiones
vel oppositiones medias, si volueris veras oppositiones.
¶ Quo facto quere ad idem tempus coniunctionis medie
coniunctionis vel oppositionis medium motum solis et lune
et habebis medium motum lune. Habebis
et medium motum solis [illegible] tunc
sit medius motus solis et lune in coniunctione
vel oppositione nadir solis et medius motus lune
et sua [illegible] quere argumentum solis subtrahendo
augem a medio motu sicud dictum est in canone
solis et sua [illegible] medie argumenti solis
[illegible] equationis [illegible] canone sol
[illegible] motu ut postea [illegible]
[illegible] lune in tabula equationis
[illegible] equationem medietatis argumenti ut possis
[illegible] loco equationis [illegible]
[illegible] solis [illegible] in sole [illegible]
coniunctionis vel oppositionis [illegible] loco
lune invenire [illegible] habebis [illegible]
loco solis et vero loco lune subtrahe [illegible]
a [illegible] longitudo [illegible]
alterum in eodem signo [illegible] solis si luna
non [illegible] solem in coniunctione vel nadir
solis [illegible] loco soli [illegible] respondet
[illegible] lune si luna [illegible] soli
coniunctione vel nadir solis in oppositione [illegible]
longitudine [illegible] longitudo
solis [illegible] longitudo lune [illegible]
longitudinis [illegible] solis [illegible] adde [illegible]
[illegible] reducendo [illegible] [illegible]
divide per 12 [illegible] divide [illegible]
sint plura [illegible] 60 [illegible] lune [illegible]
[illegible] dictum est in canone solis
[illegible] adde illud [illegible]
[illegible] longitudine [illegible]
[illegible] intelligi [illegible]
[illegible] nota [illegible] adde medio argumento lune
[illegible] si fuerit longitudo solis [illegible]
subtrahe si longitudo fuerit lune [illegible]
additionem vel subtractionem [illegible] argumento
lune [illegible] inveniendo motum lune
in una hora vel in uno minuto diei si volueris
[illegible] diebus [illegible] non [illegible]
tabula multum [illegible]

[illegible] solis et lune in una
hora [illegible] vel in uno minuto diei
[illegible] sunt ad hoc [illegible]
[illegible] ita [illegible]
lineis ordinavit [illegible] argumento
solis [illegible] argumento lune [illegible]
[illegible] itaque [illegible] argumento solis [illegible] inveniendi
in hora medie coniunctionis vel oppositionis [illegible]
[illegible] tabula [illegible] motu solis
et lune in una hora vel in uno minuto
diei [illegible] sol [illegible]
in una hora vel in uno minuto diei [illegible]
[illegible] si [illegible]
[illegible] argumento lune [illegible]
[illegible] motu lune in una [illegible]
hora vel in uno minuto diei [illegible]
non inveneris argumentum [illegible]
[illegible] motu [illegible]
[illegible] gradibus [illegible] illud
[illegible] tabula [illegible]
[illegible] gradibus [illegible]
[illegible] habebis in canone [illegible] tabula [illegible]
habebis [illegible] motum solis [illegible]
[illegible] in hora una [illegible] motum lune in una hora
subtrahe motum solis in una hora a motu
lune in una hora [illegible] superatio
[illegible] luna [illegible] sole in una hora
[illegible] gradus [illegible]
[illegible] sole et luna in coniunctione vel in nadir
solis et luna in oppositione [illegible]
una adde [illegible] superationi [illegible]
[illegible] gradum adde
superationi [illegible]
[illegible] totum
[illegible] si luna fuerit [illegible]
[illegible] equationem [illegible]
subtrahe [illegible] subtractionem vel additionem
provenit [illegible] superatio lune [illegible]
[illegible] illud [illegible]
[illegible] motum lune
[illegible] Quo facto [illegible]
longitudine solis et lune [illegible]
[illegible] superationem [illegible]

supra[o]

[illegible]

[illegible] adde ad superationem

superatio lune [illegible]

solis [illegible] ad quod invenisti longitudinem [illegible] seu dixi longitudinem [illegible] [illegible] invenit [illegible] ... [illegible]

... [illegible] et oppositionis [illegible] et ut videtur [illegible] ... [illegible]

... [illegible] diebus [illegible] ascendens [illegible] ad finem celi [illegible] talia [illegible] coniunctionis et oppositionis

Tempus coniunctionis et oppositionis solis et lune invenire. Inveniendo istas coniunctiones et oppositiones cum nos intendamus ad tempora [illegible] ut testatur prologus [illegible] Ptolomei in centiloquio suo [illegible] Haly ibidem [illegible] posuerunt [illegible] coniunctionis [illegible] coniunctionis [illegible] vel [illegible] invenire [illegible] motu lune

sig. ob.

tu est ipsius temporis ascendentium [illegible] cum gradibus
equinoctialis et non zodiaci. Illud autem et sol
movetur sub zodiaco ideo oportet scire quot
ascendentes et tot quanta in gradibus zodiaci, ut modo
in capitulo precedenti. Nec usque modo canone qui dicit
modum operandi, sed si ab dicto conclusum quantitas zodiaci
convertit quantitatem equinoctialis, ut dicit autor, sed
[illegible] distat per quantitatem partem zodiaci et distabit per
quantitatem partem equinoctialis, sed non est sufficiens quantitatem aspectuum
maxime [illegible] quia quantitas zodiaci respondet equi-
noctialis ascendentibus ipsa vero [illegible] et illud gradus
quantitatibus incipientibus ad duobus punctis solsticialibus
et equinoctialibus verum si sol esset in signo solsti-
tiali et luna in signo equinoctiali, ut
ergo aspiceret per aspectum quartum et tamen facile
et non est in aliis locis [illegible] ergo volueris quantitatem
aspectus solis et lune invenire [illegible] per tempora
quadrationem mediam qui tamen medium vicem cuius
distat per equationem partem zodiaci, et illud invenies ergo
[illegible] facies, sed invenies tamen mediam quantitatem [illegible]
[illegible] invento super illud per quem addit illud
inter locum solis et inter locum lune [illegible]
[illegible] solis [illegible] terri illud [illegible]
est [illegible] equatio in 10 [illegible]
[illegible] dyameter [illegible] invenies cum [illegible]
medio [illegible] cum equationi [illegible] quadratum
[illegible] Habito ergo vero loco
solis et vero loco lune, [illegible] vero loco solis
in tabula ascensionum signorum in circulo recto, et accipe
ascensiones [illegible] [illegible] cum [illegible] in situ
Si in loco solis fuerit [illegible] et et ultra [illegible]
[illegible] ascensiones [illegible] ad [illegible] tu ite
[illegible] loco lune, et quere ascensiones [illegible] quos
et [illegible] subtrahe ascensiones [illegible] sol
ab ascensionibus [illegible] lune si poteris. Si
non poteris [illegible] 360 gradus et [illegible] subtrahe
[illegible] remanet illud [illegible]
[illegible] aspectus [illegible] 29 [illegible]
[illegible] gradus [illegible]
[illegible] vel 240 [illegible]
[illegible] vel 240
gradibus aspectus [illegible] vel si [illegible]
[illegible] 240 [illegible]
[illegible] 40.

[illegible] remanserint plus 90 vel 240 gradibus
aspectus [illegible] si remanserint minus 90
vel 240 gradibus subtrahe illud a 90
vel a 240 [illegible] remanserunt super
[illegible] super ascensiones veri loci lune quas
prius signasti illud quod provenit reduc
ad gradus zodiaci vel [illegible]
[illegible] tabulam [illegible] operando [illegible]
[illegible] quod provenit subtrahe [illegible] loci lune
[illegible] et illud quod remanet sua
[illegible] longitudo usque ad aspectum futurum
[illegible] Si autem [illegible] subtractis
ascensionibus solis ab ascensionibus lune rema-
serint plus 90 vel 240 gradus subtrahe
[illegible] 90 vel 240 [illegible] quod remanet
subtrahe ab ascensionibus lune [illegible]
[illegible] ad gradus zodiaci [illegible] quod provenit
subtrahe a vero loco lune et [illegible]
veri loci lune et quod remanet sua
[illegible] ab aspectu [illegible] quam
longitudine habita [illegible]
motum solis in uno minuto diei et motum
lune in uno minuto diei [illegible]
[illegible] et [illegible] solis per
unum minutum diei [illegible] per [illegible]
[illegible] cum [illegible] equasti et subtrahendo
[illegible] motum [illegible] remanebit
motus solis verus ad unum minutum diei
[illegible] illud [illegible]
[illegible] minute [illegible]
minutum [illegible] media. Si
longitudo est ad aspectum [illegible] si aspectus adhuc
est futurus. Et si longitudo est ab aspectu
[illegible] subtrahe [illegible] longitudinis
[illegible] media
[illegible] lune [illegible] motum
lune in uno minuto diei [illegible] quod provenit
[illegible] motu [illegible] in uno minuto diei cum
equatione [illegible] habitis [illegible] motu
solis in uno minuto et motu lune in uno
minuto diei subtrahe motum solis

adde motui diei a motu lune in uno motu
diei et remanebit superatio per quam divide
longitudinem residuam eorum operando sicut in tabula par-
tium fuit et tempus quod post dies provenit
adde super tempus inventum coniunctionis si aspectus
fuit additurus vel subtrahe ab eo
si aspectus extiterit et quod post additionem vel
subtractionem provenerit est tempus aspectus vel
erit post tempus multis [illegible] aspectum
Et si certius etiam esse volueris cum ad illud
tempus vera inveneris loca solis et lune et que
aspectuum solis adde et subtrahe aspectus [illegible]
ab aspectibus lune et si remanent 90 gradus
precise vel 2a0 bene erit Si autem fuerit
aliquid plus vel minus per operationem [illegible]
[illegible] per ea dixi donec remaneat 90
gradus vel 2a0 gradus precise inter aspectus solis
et lune Tempore autem quo aspectus [illegible]
inter [illegible] solis in tabula eius dies
cum noctibus accipe etiam in capite
resolutos cum in minutis xx horis [illegible]
accipe [illegible] gradus cum minutis horis et [illegible]
minutis [illegible] quod adde cum tempore post invente
Si autem tempus prius habuisti in xx diebus
[illegible] additum et horis vel cum ut post
residua adde sicut dixi [illegible] et tempore
equatum post horam aspectus certo invenies

Tempus quarumlibet coniunctionum et satis
equaliter duorum planetarum invenire
Que vera loca eorum quibus vis scire quorum
tempus coniunctionis [illegible]
[illegible] poterit scire quod in motibus operatur Est
enim [illegible] vis scire tempus coniunctionis [illegible] plane-
tarum primo inveniens motus ambobus [illegible]
[illegible] adiuncta die volueris et subtrahe
[illegible] motum [illegible] et remanebit [illegible]
qua videtur ad id [illegible]
[illegible] post unum diem Cum [illegible]
medium motum equalis uno die quam inter
[illegible] luna [illegible] medii motus
et subtrahe [illegible] motus a [illegible] et quod remanet
est superatio divide per longitudinem superationis

et provenient in uno [illegible] dies et quod de
aliis fractionibus et quod provenerit adde ad tempus
inventum si velocior fuerit tardior vel
subtrahe si velocior precedit Habito ergo
vero loco ambobus subtrahe motum [illegible]
a alio remanet longitudo sua cum [illegible]
eorum [illegible] post unum diem adde
in primo esse eos equasti et subtrahe
[illegible] motu a 2o si fuerit
directus Si autem unus eorum retrogradus et alter directus
adde ambos [illegible] consequentibus [illegible]
[illegible] partium et quod remanserit
erit motus unius diei equalis Cum sub-
trahe motum diei tardioris a motu diei
velocioris et quod remanserit est superatio
[illegible] videtur longitudo que inter motum
[illegible] eorum ad id [illegible] diversitate
[illegible] videtur ad id [illegible] diversitate
[illegible] reduxisti longitudine i. si reduxisti
longitudine adde videtur esse superationis adde
[illegible] divide longitudinem per superationem et
numerus quod exierit dies et si remanserit aliquid
[illegible] per 60 et divide per [illegible]
et numerus qui exierit erunt dies coniunctionis planetarum
[illegible] et quod inveneris per
divisorem adde cum tempore cum quo equasti eorum
vera loca Si tempus quo fuit additur futura
vel subtrahe ab eo si tempus quesitum transiit
et quod post additionem vel subtractionem provenit est
tempus quesitum et sic de omnibus operandi cum aliis
planetis quorum coniunctionem quesisti sunt directi
vel retrogradi Si autem unus eorum planetarum fuerit
directus et alter retrogradus [illegible] modo oportet
tibi operari [illegible] semper [illegible]
[illegible] invenire [illegible] quibus [illegible]
alios [illegible] coniunge [illegible] et superiores
cum [illegible] licet inesse non [illegible]
[illegible]
equaliter distant a sole distat et 3 superiores
equaliter ab augibus epiciclorum suorum cum
equali distantia distabit a sole [illegible]
Cum autem [illegible]
gradus tunc [illegible]

vna secunda post deinde est motum aut retrogradi
in eodem die sicut motus stellarum planetarum equalis cum stellis
cum eo addes sed addendo dic post [illegible]
eius motus [illegible] post subtrahe [illegible] et capiti
et id quod remanet erit [illegible]
eodem die quia motus [illegible] motus ac-
gressionis [illegible] ambobus [illegible]
si motu directi in eodem die [illegible]
motus) alterum in eodem die inter illos duos motus
sed [illegible] quod provenit dividendo logarithmo
secundo post deinde est [illegible] adde vel subtrahe
[illegible] invenisti [illegible]
vera loca [illegible] provenit post
additionem vel subtractionem et [illegible]
|| Si autem volueris vera [illegible]
[illegible] ad illud [illegible] invenisti
eos quia vera loca eorum [illegible]
in loco [illegible] Si vero [illegible]
[illegible] motus [illegible] a [illegible]
motus [illegible] in eodem [illegible] dici [illegible]
[illegible] et [illegible] si fuerit
ambo directi vel retrogradi [illegible] si fuerit
vel inter motus eorum [illegible] dici [illegible]
Si vero fuerit retrogradus [illegible] illud quod
[illegible] motus [illegible] motus
dividendo logarithmo [illegible] dici
[illegible] vel [illegible] illud [illegible]
[illegible] illud [illegible]
[illegible] erunt in [illegible] planetarum
|| [illegible] in [illegible] adde [illegible]
tempore post [illegible] si [illegible] adhuc [illegible]
[illegible] vel subtrahe [illegible]
[illegible] post additionem vel subtractionem provenit [illegible]
[illegible] verissime [illegible]

Pro stellarum fixarum ad [illegible]
[illegible] scias [illegible] loca ipsarum in
[illegible] ad [illegible] et [illegible]
loca ipsarum [illegible] Alfonsum
Scias ergo [illegible] motus accessionis et recessionis
[illegible] tempore alphonsii [illegible] scias
[illegible] radicem motus
[illegible] radicem alphonsii [illegible]
[illegible] et accipe [illegible] illud [illegible]

[illegible] linea post radicem [illegible] motus
[illegible] fuit [illegible] qua [illegible]
[illegible] motus accessionis et recessionis [illegible] at
alphonsii usque ad [illegible] tuae [illegible] adde
[illegible] radice alphonsii [illegible] illud
[illegible] si fuerit [illegible]
[illegible] motus accessionis
recessionis [illegible] fuit [illegible]
motus augium [illegible] subtrahe [illegible]
quam [illegible] fuit [illegible] alphonsii
ab illa [illegible] illud
quod remanet [illegible] quia [illegible]
[illegible] alphonsi-
i usque ad [illegible] tuae [illegible] motum augium
stellarum fixarum [illegible] accipe radicem [illegible]
[illegible] illo quod [illegible] adde [illegible]
[illegible] post additionem provenit adde loco [illegible]
stelle fixe tempore alphonsii [illegible] provenit
erit locus verus [illegible] tempore [illegible] tuae
Scias [illegible] ille modus [illegible]
[illegible] in motu accessionis et recessionis [illegible]
[illegible] augmentat
[illegible] multi anni fuerint [illegible]
[illegible] sit [illegible]
[illegible] illi [illegible] directe

[illegible] planetarum [illegible]
volueris stellas fixas invenire
scias [illegible] loca [illegible] volueris [illegible]
[illegible] predictis [illegible]
predicti [illegible] ista [illegible] loca [illegible] stelle fixe
[illegible] loco ecliptice [illegible]
linea [illegible] polis [illegible]
[illegible] stelle [illegible] illa stella multum
distat ab ecliptica [illegible] distantia [illegible]
longitudo [illegible] stelle Et scias [illegible] latitudines
eas non variari [illegible] manet [illegible]
distantia ab ecliptica [illegible] aut
[illegible] ab equinoctiali [illegible] et [illegible] variant
[illegible] ecliptica [illegible]
[illegible] plus [illegible] stella fixa
[illegible] invenerit ad locum [illegible]
[illegible] polis [illegible]

et centrum stelle. Cum ergo volueris equationem alicuius
planete ad aliquas stellas fixas invenire, scias
locum alicuius stelle prout dixi, scias etiam verum
locum planete ad tempus propositum equatum per
estimationem, deinde distantiam inter planetam et
stellam; scias etiam motum illius planete in uno die
vel in uno minuto diei per doctrinam datam superius,
non curando de motu stelle fixe in die, quia
motus eius est insensibilis in uno tempore. Deinde divide
longitudinem per motum planete in uno die vel in
uno minuto diei, et exibunt dies cum minutis
operandi per eandem equationibus planetarum [illegible]
[illegible]
[illegible]
tum planete quam stelle, si planeta sit stella [illegible]
stella tardior est quam planeta; si non, stella sit planeta
[illegible] si loco fuit stelle tunc [illegible] subtrahe.
Et est finis canonum super tabulas illustrissimi
regis Alfonsi regis Castelle Hispanie, finiti
sunt anno domini 1321 etc.

Eclipsis solis quantitatem et dura-
tionem per tabulas invenire. Quia
verum motum solis et lune ad quam
possibile eclipsim invenisti, et deinde
terminum canonum ad hoc ordinati. Vera
vero coniunctio est medium motum solis et lune [illegible]
hoc argumento lune ad tempus medie coniunctionis [illegible] et
etiam diversitatem latitudinis lune [illegible] quia dicunt
alii canones quod ad hoc motum [illegible] ut
possis augem solis invenire et doctrina canonum
ad hoc ordinati. Cum [illegible] subtrahe
augem solis a medio motu eius et remanet
argumentum solis [illegible] quo intra tabulas equationis solis
[illegible]
[illegible] subtrahe [illegible]
solis; si argumentum fuerit minus 3 signis vel
adde si fuerit maius [illegible] addendo vel
subtrahendo prout invenit, et erit verus locus solis
tunc coniunctionis in medio [illegible] argumentum
[illegible] lune [illegible]
argumenti [illegible] subtrahe [illegible]
lune; si argumentum fuerit minus 3 signis vel adde

si fuerit plus [illegible] addendo vel subtrahendo
prout invenit, erit verus locus lune. Deinde
locum solis et lune, et si ambo que[illegible]
in signis gradibus et minutis, [illegible]
[illegible] subtrahe [illegible]
a [illegible] longitudinem et [illegible]
longitudo [illegible]
[illegible] longitudinem [illegible]
duodecimam partem [illegible] divide
[illegible]
adde [illegible]
divide per 12 [illegible] erit 12
[illegible] adde longitudinem [illegible]
[illegible] adde medio argumento lune; si locus
fuerit solis vel subtrahe si longior fuerit
lune [illegible] argumentum lune [illegible]
[illegible] motu lune [illegible] in uno minuto
diei [illegible] argumento solis [illegible]
tabula [illegible] solis in uno minuto diei [illegible]
[illegible] motus solis in uno
minuto diei [illegible]
lune [illegible] motu lune in uno minuto
diei [illegible] motu solis in uno
minuto diei subtrahe a motu lune [illegible]
in uno minuto diei [illegible]
lune in uno minuto diei [illegible]
adde [illegible] solis
[illegible] a motu [illegible]
[illegible] minuto [illegible]
luna fuerit [illegible] parte epicycli [illegible]
[illegible] si fuerit [illegible] parte [illegible]
[illegible]
[illegible] solis [illegible] diei
[illegible] inter coniunctionem [illegible]
longitudo fuerit [illegible] loco
[illegible]
[illegible] diei [illegible] si fuerit [illegible]
[illegible]
[illegible] volueris [illegible]
addenda sunt tempori medie coniunctionis si longitudo fuerit
solis vel subtrahenda si fuerit lune [illegible]
[illegible] coniunctio [illegible]
[illegible] ad idem tempus [illegible]
motum solis et lune [illegible] lune equa[illegible]
[illegible] solis et lune [illegible] potes [illegible]

coequaveris in signis gradibus et minutis proximis
Si vero non coequaveris subtrahe [illegible] a
residuum loco eius quod super medium
motum solis pone. Quod habueris quod
ultimo habuisti adde medio motui solis
in uno 2° die et cum super medium lune
et cum solem ut prius [illegible] a motu
solis [illegible] subtrahe motum solis prius
[illegible] quod provenit est motus solis [illegible] die
[illegible] cum [illegible] prius tunc adequa
la equasti subtrahendo prius motum a 2°
[illegible] motum cum in uno 2° die [illegible]
[illegible] subtrahe motum solis in uno 2° die
a motu lune in uno 2° die et remanebit
superatio per quam divide longitudinem et numerus quod
est [illegible] dies [illegible] si quid remanserit multiplica
et divide per [illegible] quod provenit minuta [illegible] dies
et [illegible] volueris [illegible] pacto [illegible] quod provenit
[illegible] adde super [illegible] provenit [illegible]
si ultra longitudinem fuit solis vel subtrahe
si fuit lune [illegible] quod provenit est vera
[illegible] tunc diebus [illegible] quod [illegible]
[illegible] solis et lune [illegible] equidistante
[illegible] medium motum [illegible] dies [illegible]
quod adde vero loco lune [illegible] provenit [illegible]
[illegible] hec 2° [illegible] quod [illegible]
fractiones dies quas [illegible] tempore verissime
coniunctionis reduc ad horas et ad fractiones
horarum quibus addas [illegible] dies [illegible] noctibus
[illegible] quas [illegible] solis
[illegible] equatos dies cum noctibus
[illegible] si [illegible] fuerint [illegible] ultra
[illegible] [illegible] solis [illegible]
[illegible] accipe [illegible] hore [illegible]
[illegible] adde horas et minuta
horarum verissime coniunctionis [illegible] tempus
verissime coniunctionis diebus equatis

Hoc viso ad opus [illegible] aspectus accedas.
Considera an eclipsis solis sit
in die vel in nocte. Si in nocte non curas
[illegible] eclipsis [illegible] si fuit
[illegible] in nocte possit eius [illegible] eclip
[illegible] solis [illegible] pars [illegible]
[illegible] post eclipsis [illegible] Si non fuit
in die [illegible] verissime [illegible]
diebus equatis [illegible] per horas equales
[illegible] horas [illegible] diversitatis
aspectus lune [illegible] ad [illegible] clima [illegible]

ad [illegible] subtrahe [illegible] lune et accipe
in longitudinibus [illegible] et si fuerit [illegible]
in ultra horas [illegible] ad
[illegible] et accipe in longitudinibus [illegible]
[illegible] in longitudinibus [illegible] accipe [illegible]
accipe [illegible] accipe [illegible]
[illegible] horas [illegible] ad 60 [illegible]
[illegible] adde [illegible] longitudinibus [illegible] accepte.
Si fuerit [illegible] 2° accepte [illegible] vel
subtrahe si fuerit [illegible] diversitatis aspectus
lune in longitudine [illegible] lune sit in [illegible]
signi [illegible] et [illegible]
[illegible] Si autem [illegible]
[illegible] fuit [illegible] signo
[illegible] Considera [illegible]
[illegible] diversitatis aspectus [illegible]
signo [illegible] subtrahe [illegible] 60 a [illegible]
[illegible] quod [illegible] signo
[illegible] est [illegible] divide per 30 [illegible]
[illegible] multiplica [illegible]
[illegible] per 30 [illegible]
[illegible] 42 [illegible]
[illegible] provenit [illegible] adde super
diversitatem aspectus [illegible] signo si fuit
[illegible] fuit accipe [illegible] sequenti
vel [illegible] subtrahe si fuit [illegible] provenit
[illegible] aspectus [illegible]
lune in 90 [illegible] lune non fuit [illegible]
[illegible] lune [illegible]
verissime [illegible] gradus [illegible]
[illegible] latitudinem [illegible]
[illegible] lune [illegible]
[illegible] diversitatis aspectus lune [illegible]
[illegible] 60 [illegible] provenit [illegible]
[illegible] diversitatis aspectus [illegible]
[illegible] lune [illegible] quod adde
super [illegible] aspectus [illegible] provenit [illegible]
aspectus [illegible] lune
170 [illegible] distantiam
[illegible] motus solis et lune [illegible]
motum solis [illegible] lune [illegible]
[illegible] dupla [illegible] lune
[illegible] latitudinem [illegible]
[illegible] tabula [illegible]
[illegible] diversitatis aspectus [illegible]
[illegible] 60 [illegible] provenit [illegible]
[illegible] adde [illegible] aspectus [illegible]
[illegible] aspectus [illegible]

[illegible] 30 [illegible]

hore et si non possit dividi quia dicta superatio multiplica per 60
et divide per superationem et minuta quotiens exit minuta hore

in loco lune in 30 capitulo receptus diem
diametri aspectus minuta in dicta dimidia superatio
lune in una hora et minuta quotiens exit hore. Quod si non
fuerit ita parva quod non possit dividi superatio
minuta ea per 60 et divide productum et minuta quotiens et
fracta minuta sequentes scilicet primi diametri aspectus
dierum horas et minuta hore scilicet in dicta adde scilicet
horas et minuta vicissime diebus coequatis
si vero sit luna in aspectu fuerint plures gradus
de orbe signorum quam 90 vel si pauciores 90
tunc subtrahe de nonaginta fractas distantias illas
horas a meridie cum quibus tabula diametri aspectus
intra et residuum minus pro prius fecisti equando
et minuta et in loco lune in 30 capitulo receptus
si vero dicta diametri aspectus dicta divide eo cum
superationis una hora prius dicte operatio
et inde et minuta prius ut diem hore et
diametri aspectus scilicet diebus coequatis. Quas iterum adde
das super horas vicissime et non super quam
horas vicissime et horas prime diametri aspectus.
Si in gradibus lune et gradibus aspectus fuerint plures gradus
de orbe signorum illis subtrahe si fuerint pauciores
contrarias horas fractas distantias a meridie secundum
prius cum quibus horas distantie a meridie intra
iterum tabulam cum prima operando secundum prius
Tunc ista 3a diametri aspectus vel 2a sit aequalis
contraria Quod si pars dicti expedit esse. Si autem
diametri 3i aspectus fuerit a distantia ecliptice superat
eum 2 super das Tunc si locus lune a distantia
in 30 fuerit gradus 90 gradibus in 30 Tunc
horas 2e distantie quotiens a meridie quas
per diametri aspectus invenisti subtrahe sexta per minutas
hore scilicet quotiens sit super horas completas
si prius et si fuerint tot minuta hore quod possit subtrahi
ab ea super prius hore. Si vero non potuerit subtrahi
parte hore subtrahe subtrahe decem vel tertiam partem
ita ut non frangas integram horam. Si vero locus
a distantia fuerit plus in 30 90 gradibus adde sexta
partem vel octavam vel 10am minuta superest vel
horas completas ita ut horam non compleas
Tunc tu illo quod sit augmentum vel diminutum
provenerit ut prius quere diametri aspectus equata
in longitudine et inde equata superat 3a subtrahe
3am a equata et 2am minuta per 6 si addidisti
sextam partem hore vel per 8 si addidisti octavam partem
vel per 10 si addidisti 10am partem hore et provenit
diametri aspectus quod debet minui hore. Una subtrahe

a superatione lune in una hora et quod remanet
erit motus lune equatus per quem divide gradus
minuta 2a diametri aspectus et 3a prius minuta
per 60 si potes et minuta quotiens exierint
hore. Si non potes minuta divide per 60 minuta
et divide minuta quotiens exierint et hore
si sic quotiens 2a provenit adde horas
2e diametri aspectus secundum eas que exierunt hore
2e diametri equate. Si vero diametri 3a aspectus
fuerit borealis sic ergo scilicet si longitudo lune sit
a distantia minus 90 gradibus adde sextam partem hore
vel octavam vel 10am ut horam integram non
compleas et si fuerit plus 90 gradibus minue
sextam partem hore vel octavam vel 10am ut horam
integram non frangas. Et cum ponitur eius
quod prius invenisti quia 3a diametri fuerit a distantia. Et
eius quod provenit que diametri aspectus equata.
Et cum equatum superat a 3a que addisti minuta
per 6 vel per 8 vel per 10 sicut prius et quod addidisti
sextam partem vel octavam vel 10am hore
ita tunc erit diametri aspectus quod debet minui hore
et quod provenit adde ad superationem lune in una
hora et motus equatus per quem divide
quod erit 2am et 3a diametri aspectus et 3a
in data et quod provenit subtrahe ab horis 2e
diametri aspectus et illud ratio contingit quod
sit borealis et in numerabit erunt hore 2e
diametri aspectus equate secundum eas. Cum horas
2e diametri aspectus noveris minuta eas per motum
solis in una hora et cum per motum lune
in una hora quod sit super unam quamlibet per... Tunc
si longitudo lune minus 90 gradibus fuerit
prodeas horas 2e diametri aspectus subtrahe ab horis
vicissime diebus coequatis et motu solis
in eisdem horis que iam dixi super subtrahe
a motu solis scilicet in vicissime quod
que iam dixi super et motum solis in
eisdem horis a motu lune in vicissime
quotiens. Et nota melius et ut a motu
lune in eisdem horis subtrahas probabiliter duobus
modis... et tunc primo subtrahe
ab arcu lune equato ut de ...
arcu latitudinis ... subtrahe scilicet motus
lune ab arcu lune equato et ab arcu
latitudinis lune 2o equato inde et
... motus...
horas 2e diametri aspectus que motus est sub
... ab arcu ... latitudinis ...
... subtrahe ... duobus ... motus
lune ... motu ...

horarum diversitatis aspectus scilicet ab arcu latitudinis lune 2° equato, [illegible] arcum latitudinis lune 3° equatum. Si autem longitudo lune a capite draconis plus 90 gradibus fuerit, adde 1ª gradus minuta proporcionalia, subtrahe residuum, ut augmentum vel diminucio fuerit, et tempore medie eclipsis ferie eo fuerit locus lune et solis verus et lune 2° equatus et arcus latitudinis 3° equatus tempore medie eclipsis. Deinde cum arcu latitudinis 3° equato quere minuta in tabula latitudinis lune cum diversitate introitus, scilicet latitudinem que invenitur sinualem a puncto. Deinde scias distanciam medie eclipsis a linea meridiana cum quibus horis intra tabulam diversitatis aspectus et accipe minuta latitudinis directe in directo eorum minuta proporcionalia pro punctis, scilicet per horas et minuta et locum lune in 3° regionis ... proporcionalia in [illegible] non sit ea ... fuerit quam arcus lune equatus non est idem. Ideo intra cum arcu lune equato tempore medie eclipsis tabulam altitudinis et accipe minuta proporcionalia ... aliis non deest operis ... que sit diversitas aspectus in longitudine ... meridionalis ... latitudo est 2 gradibus. Si latitudo sit meridionalis, ... latitudinis lune et diversitatem aspectus in latitudine, si fuerit in ea parte. Si vero diversitas aspectus fuerit meridionalis et latitudo lune fuerit septentrionalis, subtrahe ... remanet latitudo ... minus fuerit ... remanet latitudo ... si latitudo lune fuerit ... diversitatis aspectus meridionalis vel remanebit latitudo meridionalis si diversitas aspectus fuerit meridionalis ... latitudinis lune ... non latitudo lune visa tempore medie eclipsis. Postea diversitatem aspectus in latitudine vel ea ... 1 ... 23 minutis ... gradum fuerit ... cum arcu latitudinis 3° equato ... ultimo invenisti ... solis et lune fuerit prope caudam draconis vel subtrahe si fuerit prope caput. Si non ... non posset subtrahi quia forte illud quod subtrahere ... maius ... adde 360 gradus et deinde subtrahe et ... arcum latitudinis lune 2° equatum ... medie eclipsis ... si cum 1° arcu latitudinis 2° equato quere latitudinem lune in tabula ... latitudinis lune ... concordabit in latitudine lune visa tempore solis

... quam prius invenisti conservasti. Si vero sit discordia ... minima ... cum quo ... latitudinem lune visam ... eclipsis solis accidat ... arcu latitudinis 2° equato et resoluta ... si ... eclipsis solis ad longiorem et accipe puncta eclipsis ... in directo inventa ... cum diametro ... et accipe ... minuta ... non invenisti ad 30 et non ad 60. Deinde intra cum eodem arcu latitudinis 2° equato tabulam eclipsis solis ad longiorem ... accipe puncta ibi inventa ... punctis. Deinde subtrahe puncta inventa ad longiorem longitudinem ... 2° equato ... cum arcu lune equato ... tempore medie eclipsis resoluto ... quam augmenta ... inventa ... Deinde accipe partem proporcionalem de differencia ... minutis ... ad 60 ... adde super puncta eclipsis ad longiorem ... punctum ... cum arcu eo 2° ... tabula ad longiorem longitudinem ... in directo inventa ... Deinde intra cum eodem tabula ad longiorem ... et accipe minuta ... in directo ... subtrahe minuta inventa ad longiorem longitudinem ... accipe partem proporcionalem ... minutis ... puncta ... ad 60 ... adde ... inventa ad longiorem longitudinem ... postea divide illa ... per ... horas et minuta ... 60 et divide ... puncta ... hoc ... per 60 dividendo ... puncta ... eclipsis et medie ... horas ... Si subtraxeris a tempore medie eclipsis ... tempus principii eclipsis et si ipsas addideris ... finis eclipsis et si ipsas duplaveris habebis duracionem eclipsis. Deinde ... medie ... principii eclipsis ... fine et medie ... solis ... tempore medie eclipsis ... locum solis ... eclipsis ... subtraxisti addideris habebis

pred(ic)ta i(n) fine eclipsis inv(e)nta ex horas
casu p(er) motu lune in una hora (et) q(uo)d p(ro)
venit subtrahe a vero loco lune t(empore) eclipsis
medio (et) p(er) subtrahe ab ar(gumen)to latitudinis lune
e(qua)to (et) p(ro)veniet verus locus lune (et)
ar(gumentum) latitudinis e(qua)to i(n) p(rinci)p(i)o eclipsis
(et) si ea q(ue) invenisti subtraxisti addideris habebis
p(re)dicta i(n) fine eclipsis || De(inde) i(n)tra cum ar(gumen)to
latitudinis lune e(qua)to i(n) p(rinci)p(i)o eclipsis
tabulam latitudinis lune (et) s(ic) i(n)venies latitudinem
lune i(n) p(rinci)p(i)o eclipsis | Similiter cum ar(gumen)to latitudinis
e(qua)to i(n) fine eclipsis (et) i(n)venies latitudinem
lune i(n) fine eclipsis || Cum h(ab)ueris hec facile
est facere figuram (et) canones h(abe)bis

Eclipsis lune q(ua)liter equatur
per tabulas invenire Cum p(ri)o
med(ia)m opp(ositi)o(n)em s(e)c(un)d(u)m illa(m) ad qua(m) q(uae)sisti
p(ro)p(ter) eclipsis lune (et) opp(ositi)o(n)em penitus eo(dem)
operando sicut p(ri)us de(inde) e(qu)ac(i)o(n)e(m) v(e)l
c(on)iunct(i)o(n)e(m) inveniendi dixi s(e)c(un)d(u)m long(itudinem)
m(edi)a(m) solis (et) lune, p(ro) opp(ositi)o(n)e aut(em) n(on) q(uae)s(ieri)s
long(itudine)m m(edi)a(m) nadir solis (et) cor(rige) lune
(et) in illo a(nn)o d(e)m(on)strata op(er)a Et s(ic) dic(o)
modu(m) op(er)andi n(on) facies n(on)q(ua)m p(ro) p(ro)ject(ione)
h(ab)ito t(empore) verissime q(uo)d que ad illud
m(edi)u(m) motu(m) ca(pitu)l(i) d(i)c(ti)o(n)is q(uo)d adde ip(s)o
loco t(empore) verissime opp(ositi)o(n)is (et) in(ven)ies i(n) q(uo)
ar(gumentum) latitudinis 2(ad)o e(qua)tu(m) De(inde) q(uae)re et(iam)
dies ita latitudinis adi(n)c facta cu(m) gradu sol(is)
o(mn)ia e(qua)t(a) v(ide)l(ice)t ad sta(n)tes h(or)as (et)
de(inde) fiet (con)iuncc(i)o(n)e || Has fracc(i)o(ne)s h(or)ar(um)
adde cu(m) t(em)p(o)re sic q(ue)stio(n)is opp(ositi)o(n)is (et) i(n)venies
t(em)p(u)s v(er)e opp(ositi)o(n)is diebus equatis (et) hoc
p(er) t(em)p(u)s m(edi)e eclipsis || De(inde) cu(m) ar(gumen)to lati(tudinis)
2(ad)o e(qua)to q(ui) l(ite)r(e) addendo m(edi)u(m) motu(m) ca(pitis)
draconis ad ver(um) locu(m) lune i(n)tra tab(u)la(m)
eclipsis lunaris ad lo(n)gitudine(m) longior(em) (et) acci
pe p(ro)p(or)tio(n)e(m) eclipsis q(uo)s sup(ra) i(n)venio (et) s(i)
cu(m) du(ct)a i(n)venit s(ic) e(st) vere p(er) eu(n)d(em) mo(dum)
p(ro)ut fecisti i(n) eclips(i) solis | accipe
etc. et ca(pu)t (et) m(inu)ta mo(re) si habuit
mo(ra)m [illegible] cu(m) fuerit in luna m(inu)ta
q(ue) i(n) luna q(uae) c(on)tinua(n)tur q(uia) mo(ra) n(on)
h(ab)ebit mo(ra)m (et) illud q(ui)d no(n) vocat(ur)
t(em)p(u)s a p(rinci)p(i)o eclipsis co(r)p(us) obscura(tur)
s(ed) q(uan)to cu(m) i(n)trav(er)it u(m)bra usq(ue) ad
p(rinci)p(iu)m totius lune (et) m(inu)ta mo(re) vocat(ur)
sp(ati)u(m) celi q(uo)d luna p(er)t(ra)nsit motu p(ro)p(ri)o
a p(rinci)p(i)o mo(re) usq(ue) ad m(edi)u(m) eclipsis
(et) t(o)t(u)m ca(pu)t no(n) sp(ati)u(m) q(uo)d p(er)t(ra)nsit luna

eo motu a p(rinci)p(i)o eclipsis usq(ue) ad p(rinci)p(iu)m mo(re)
habebis i(n) t(a)b(u)l(a) s(ub) p(un)ctis eclipsis (et) m(inu)ta mo(re)
(et) m(inu)ta ca(su)s ad longitudine(m) longior(em) s(ed) ca
(et) q(ua)n(do) s(i) luna i(n) auge vel s(ub) ep(icic)li fuit
Si v(er)o luna n(on) fuit i(n) auge v(e)l s(ub) ep(icic)li
i(n)tra cu(m) c(or)r(ecto) ar(gumen)to latitudinis tabula(m) eclipsis lunaris
ad longitudine(m) p(ro)p(ri)or(em) (et) accipe ibid(em) p(un)cta eclipsis
(et) ca(pu)t (et) m(inu)ta mo(re) du(ct)a eo s(ic) fecisti ad
longitudine(m) longior(em) s(i) luna fuit i(n) o(ppos)ito augis
vere (et) ut s(upra) du(ct)a s(i) luna fuit i(n)
auge v(e)l s(ub) ep(icic)li s(ic) p(ro) ad longitudine(m)
[illegible] longior(em) Si s(i) fuit i(n) o(ppos)ito augis
i(n)tra solu(m) p(er) ad lo(ngitudinem) p(ro)p(ri)or(em) Si s(i) neq(ue)
i(n) auge neq(ue) i(n) o(ppos)ito augis (et) ad alias lo(ngitudines)
g(e)n(er)al(ite)r De(inde) || De(inde) subtrahe p(un)cta eclip(sis)
p(ro)v(e)n(ien)tia ad longitudine(m) longior(em) a p(un)ctis i(n)ventis
ad longitudine(m) p(ro)p(ri)or(em) (et) ca(pu)t a m(inu)tis ca(su)s
(et) m(inu)ta mo(re) a m(inu)tis mo(re) (et) s(er)va d(i)ff(erenti)as q(ua)slibet
p(er) se || De(inde) cu(m) ar(gumen)to lune e(qua)to h(or)a opp(ositi)o(n)is
v(e)l m(edi)e t(a)b(u)la(m) ut p(ro)port(i)o(n)es q(ue) augmentu(m)
p(er) duos gradus (et) accipe in p(ro)port(i)o(n)alia
m(inu)ta iux(t)a cu(m) du(ct)a i(n)venit s(ic) e(st) || D(e)i(n)de
i(n) p(ro)port(i)o(n)alia m(inu)ta p(ro)p(ort)io(n)alit(er) d(i)ff(erenti)a(m) p(ro)p(ri)u(m) s(er)vata
s(u)p(er)i(us) (et) divide p(er) 60 (et) i(n)venies p(ro) p(ro)port(i)o(n)e(m) eius
i(n) ca(pu)t || Su(m)ma adde p(un)ctis eclipsis m(inu)ta
ca(su)s (et) m(inu)ta mo(re) i(n)ventis ad longitudine(m) longior(em)
q(uae) adsu(m)e(n)tur s(ecundu)m p(ro)p(or)c(i)o(n)es p(ro)port(i)o(na)les (et) sic p(un)ctis
adde p(un)ctis (et) p(ro)p(or)tio(na)l(ite)r de m(inu)tis ca(su)s (et)
de m(inu)tis ca(su)s (et) p(ro)port(i)o(na)l(ite)r de m(inu)tis mo(re)
adde m(inu)ta mo(re) (et) h(ab)eb(is) o(mn)ia e(qua)ta (et) p(er)
i(n)motu(m) lune a(n)te || De(inde) m(inu)ta ca(su)s e(qua)ta
divide p(er) sup(er)a(tionem) lune i(n) una h(or)a (et) q(uo)d veni(et)
q(uo)d(cum)q(ue) erunt h(or)e (et) si aliq(uo)d resid(u)um fuit
m(inu)ta p(er) 60 (et) divide p(er) id q(uo)d p(ri)us (et) m(inu)ta
q(uo)nia(m) erunt in hora (et) resid(u)u(m) i(n)ter ea
ite(m) p(er) 60 (et) divide ut p(ri)us (et) m(inu)ta (et) s(ecund)a
erunt i(n) hora Dein(de) p(er) h(or)as horas in
2a hora q(uod) s(un)t a p(rinci)p(i)o eclipsis usq(ue)
ad p(rinci)p(iu)m mo(re) si h(ab)uerit mo(ra)m Eodem mo(do)
divide m(inu)ta mo(re) p(er) sup(er)a(tionem) lune i(n) v(n)a hora
(et) i(n)venies hora (et) m(inu)ta (et) 2a hora (et) alia
2a hora s(i) n(on) h(ab)es horas q(ue) s(un)t a p(rinci)p(i)o
mo(re) usq(ue) ad m(edi)um eclipsis Eodem s(unt)
horas q(ue) s(un)t a p(rinci)p(i)o eclipsis ad m(edi)u(m)
s(i) n(on) habuit mediu(m) mo(ra)m subtrahe
a t(em)p(or)e opp(ositi)o(n)is verissime diebus equatis
(et) i(n)venies t(em)p(u)s p(rinci)p(i)i eclipsis || (et) s(i)
casu h(or)as addideris ad tempus

vissime oppos. provenit tempus finis eclipsis
Si vero eclipsis habuit moram tunc horas
x m̄ xī x ī q sit a prīo eclipsis usque
ad principium more adde horis minuti z zis q
sit a prīo more usque ad medium eclipsis
atque vissime oppos. i z remanebit prīm
more Si eas addideris provenit finis
more i z si duplaveris tempus q est a prīo
eclipsis usque ad medium provenit tota duratio
eclipsis usque ad finem i z si duplaveris tempus
a prīo more usque ad medium eclipsis provenit
tota mora . f . per quam tota terra stat in umbra
Cum si figuram facere volueris horas q
a prīo eclipsis sunt usque ad medium multiplica
per motum lune in una hora z qd provenit subtrahe
a vero loco lune in vero tempore vissime oppos.
oppos. z subtrahe argumentum latitudinis lune
medio in vero medio motu medio in vero motu
capitis draconis in illis horis z provenit
argumentum latitudinis lune equatum in prīo eclipsis
Et si ea que nunc subtraxeris addideris
habebis ista in fine eclipsis latitudinem autem
lune invenies adjusta tabula intrando tabulam lati
tudinis lune equatum in prīo eclipsis z medio z
fine eclipsis figuram autem sicut 27
doctrina magistri Johannis de Linerys aq°
hec doctrina z scitis more i z est finis figuras
Explicit canones magistri Johannis Dankonis
finiti in die Agapiti martiris

Item tabulas 10 z 12 subtrahendo hora a a̅
z remanebit ...q ... ff eius pro
... ... Si vero ...
... ... fac sic ...
q. z ... x i ... ... 10 annos
alphonsi ... ... ad ... x i
... ... z alphonsi 21 ...
a x ... z ... z primo ... ... 10 ...
... ... provenit ... ... tabula

tabula certe ... unusquisque ... per annos
alphonsi 21 ... ... per ... ...
... z ... x i subtraxeris ... z x x i
... tabule ... 20 annos habebis
... ... Item ad ... tabula
... tabula ... tabula ...
... unusquisque ... alphonsi
... ... 20 annos ...
... 1008 ... ... adde ad primam
lineam z habebis ... adde ... ...
ad ... lineam z habebis ... ...
... sub tabulis
Item nota ... tale notas anni
primo ... ...
... ... sive ... ...
... ... 60 ...
... ... 27 ... ...
... ... lineae
Item divide ... ... 3600 ... z ...
... pone ... ... linea ...
divide ... ... 216000 ... ...
... ... pone ... Similiter
habebis ... ... tabule ... ...
adde ... ... habebis ... z si ...
... ... addideris ... ...
... ...
a ... ... a ... ...
... quo ... ponunt ... ...
... ...
volueris ... ... z
... fractionum ad ... ... z ad ...
fractiones ... ...
... ... fractiones ad ... ...
divide ... ...
... fractiones ... ...
si ... ... 60 ... ad frac
... ... 60 Et ... ...
... ... illud ...
... 60 ... 60 z provenit fractio ...
... ... fractiones ... ...
divisisti z ... ...
... ... tali ... ...
z ... ...
... ... alias fractiones ... ...
... Item si ... ... z ... fractiones ad
... ... fractiones ... ...
volueris ... ... fractiones
... ad eam ... z ... ...

9a.

fit illud productum per secunda illud productum
in secunda in 2x 2 diuiditur in numero te
secunda ultima facta illud quod fuerit productum
ad fractiones g. ressiduum f. diuide quotiens per 60 2
inde q. q. sti. in operatione
q. tabula tabularum
in duos uter q. tabularum ad
in duos 2 sinus fractiones in tabula
illud qua p. sol.
sit ad 24 horas primus cum primum 2 30
duas 2 et diebus dum dies in una diei
diei duo in 24 horas 2 horas 12
in 2 diem die od in diei per 24 horas
diei cum hoc ocurrit duo in diei 2 ad
fit inde q. 60 remaneat
per 24 2 ut 30 290 stelli tabula prima
linea primo 2 30 q. adde super 2
habebis 2 super 2 horas
et tempore q. adsin
horas 2 per fractiones in duos 2 primas
fracciones dno ta 24 per 60
reductum duo per 2 fit habebis
24 diuid 2 fit habebis linea q. adde
super linea 2 addi 2 sunt
2 fractiones in tabula numerus per tabula
tabulas in tabula tabula reuolucionis dicas
2 tabula reuolucionis
ad hoc aspectus 17 et annos
2 in hora vnus et anni linea in
hora aspectus 2 10 hoc aspectus
duo tabula reuolucionis
aspectuum tabula hoc in tabula potest ipsa linea
tabule reuolucionis annos uidi 2 fit
ca. per 2 et minutis tabula
2 sunt 2 et 2 habebis prima
linea tabule reuolucionis aspectu si non uolueris
hore 2 addere eam esse 2 habebis et
2 tabulas
tabule tabula tabula reuolucionis annos
uidi esse quod sol anno ad minuitur
adiel puncto ex annis ulla 2 hora
per addim
de fine
fit ut 2

Nominatur era maior eras quo Era tamen duobus modis
uno modo tamen pro tempore in libris sed proprie nati-
vitate alicuius prophete vel novi regis ut imperij vel regni
et tamen era prototype elapso a primo anno
in prima generacione usque ad certum tempus ad quod aliquis volunt
practicare et ita possumus dicere quod anno domini 1422
fuit era cristi et solemus capere eram eo dicto
hec era cristi reducta est ad tempus deputatum
Item notandum quod quedam gentes incipiunt annum solarem
solum et de anno lunari non curant ut sunt romani
greci egipcij et perse et isti adhuc sunt duplicati
sunt computantes quod romani greci et ceteri quod egiptij
sunt computantes per dyocletianum integrant
annum suum ex 365 diebus et 6 horis ita quod
in quarto anno qui vocatur bisextilis superadditur una
dies perse vero et quidam egiptij sunt computantes per
eram diluuij per eram nabuchodonosor
et philippum pregem alexandri ponunt annum ex
365 diebus non curando quartam partem diei scilicet
6 horas et ideo non ponunt annum bisextilem
in isto anno utitur ptholomeus in libro al-
magesti qui computat per eram nabuchodonosor
secundum computacionem egipciorum. Item vero gentes ille
ut sunt in anno sunt diversificati romani in primo
mense scilicet januarium ponunt ex 31 diebus
2m vero in anno quod est ex 28 sed in bisextili
ex 29 sicut et patet ut per has versus
Ja mar ma jul aug oc de decem et unum
alij triginta sed februus octo viginti
Item est notandum computantes per annos xpi in-
cipiunt a januario ut quidam romani vel sic
quia non aliter romani computant per annos xpi
vide itaque computant per eram cesaris scilicet julij
qui erat primus imperator imperij romani. Arabes
non incipiunt annum ab octobre sed in 4 diebus
in mensibus ponunt anno convenit nobis
propter mense quod correspondit februario in anno qui
ponunt ex 28 diebus sed in anno bisextili
ex 29 et vocatur Karrath. Item vero egiptij
computantes per dyocletianum et incipiunt
annum a mense septembre sed non conveniunt in
singulis mensibus ponunt enim quolibet mense ex 30
diebus preter ultimum quia ultimus in anno communi
ponunt ex 35 diebus sed in bisextili ex 36
Item notandum quod alij egiptij computantes per dilu-
uium et nabuchodonosor et philippum pregem alexandri
ponunt quod totus annus 365 dies solum
et ponunt quolibet mense ex 30 diebus preter ultimum
quod dicitur mensis restauracionis quem ponunt ex 35
diebus. Similiter perse eodem modo faciunt
excepto quod octauum mensem ponunt ex 35 dies
et omnes alij triginta. Item nota quod quidam

incipiunt annum lunarem solum ut arabes
sunt dicti azara uxore habrahe ut precedentes
agareni quia geniti sunt ab agar ancilla
ancille abrahe qui ponunt primum computacionem
per machometum qui pseudo propheta dixit
se esse prophetam missum a deo sed quere et
omnes subditos sarracenos descendat ira dei
maledictionis et maledictionis perpetua
Isti igitur arabes ponunt annum esse tempus
in quo luna [illegible] solis duodecies scilicet
354 dies et undecimam tricesimas et 11
tercie unius diei horas et 48 minuta hoc
sit non quod predicti arabes primum mense ponunt
ex 30 diebus 2m ex 29 3m ex 30 4tum
ex 29 5tum ex 30 6tum ex 29 et sic
sic procedendo usque ex 30 aliud ex 29
Item vero cum in Ere bisextiles adhuc duplicati
sunt non quod sunt ere bisextiles quod incipiunt in
ipso anno post bisextum hoc est quod primus annus
ille ere erat primus post bisextum sed era xpi
vel philippi quod incipiunt post in 2o post bisextum
sed era allexandri et dyocletiani per quam sunt
in alexandro quod incipiunt in 3o post bisextum
sed era julij vel cesaris quod [illegible] est [illegible] sic
dicta potest in 4 annorum mensium et dierum [illegible]
ere note ad 4tam 3am 2am et 1am per tabulam reduce
et sic potest de nouo tabulas multiplicando
anni reducenda ad 4m 3m 2m et 1m quemque et
tamen hoc quidem sic aliquibus regule [illegible]
est hoc Si anni fuerint plures bisextiles multi-
plicentur in 365 et apparent dies [illegible]
collecti adde [illegible] diebus bisextilibus sed ad quos
dies bisextiles itera superadditos fac sic Si ut era cristi vel philippi
Era capit in 1a post bisextum adde annos preteritos
[illegible] per 4 et numerus quociens erit dies bisextiles
itera superadditi adde eos cum precedentibus
diebus Si autem Era incipit in 2o post bisextum
sed era ~~allexandri Cristi~~ allexandri et dyo-
cleciani tunc ad 4 annos adde unitatem et tunc
divide per 4or ut prius. Si vero Era incipit
in 3o post bisextum sed Era Cesaris vel julij
quia ibi 3 adde ad 4 annos binarium et divide per
4or ut supra. Si vero incipit in anno bisextili
adde ternarium et divide postea ~~[illegible]~~
ut prius quere hoc si habes menses completos
ultra annos vide quot dies sunt isti menses
completi etc. Si habes aliquos dies de mense incompleto
ut mensis incompleti dies illos dies adde cum diebus
precedentibus annorum sic igitur habes dies [illegible]
annorum et isti dies [illegible] divide [illegible]
per 60 et numerus quociens erit [illegible] et si aliquid manet
in loco [illegible] dierum quod divisi non [illegible] illud pone
ad locum [illegible] post hoc divide [illegible] per 60 et numerus
quociens [illegible] Illud vero quod remanet pone
in loco [illegible] secundorum [illegible] divide [illegible] per 60 et

in mense [illegible] erit 8 ta. et si q̄ n̄ [illegible]
pone in loco 30s et ultio ponens 8 q̄ [illegible]
9 ho n̄ p̄t [illegible] [illegible] n̄a ultra 8 ta
[illegible] [illegible] q̄ forte [illegible] [illegible] [illegible]
q̄ posset bo quarta q̄ [illegible] facit et
[illegible] [illegible] [illegible] in quos fines [illegible] devenit
[illegible] si [illegible] tot 8 q̄ [illegible] posset p bo
[illegible] [illegible] ad [illegible] Secunda regula Si
anni essent solares [illegible] bissextiles [illegible] anni
[illegible] multiplica in 365 et [illegible] dies
[illegible] anni [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] fac ut prius post hoc
[illegible] dies divide p 60 ut prius et [illegible]
[illegible] Tertia regula Si fuerint anni lunares
ut sunt anni arabum multiplica eos in 354 et
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] ex 11 tertiis hoc est 8 et [illegible] 288
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
in 11 tertias [illegible] divide p 30 et [illegible]
quotiens erit dies [illegible] et 11 tertiis q̄
[illegible] [illegible] [illegible] dies [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] si [illegible] tertias p 30 in
[illegible] [illegible] manent [illegible] 12 [illegible] [illegible]
[illegible] [illegible] 12 [illegible] una dies [illegible] [illegible]
[illegible] si n̄ manent [illegible] 12 [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] velles [illegible]
tabulam [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] et [illegible] dies [illegible] [illegible]
[illegible] [illegible] dies [illegible] [illegible] [illegible] anni
[illegible] [illegible] [illegible] p 60 ut prius [illegible]
Secundo [illegible] canone qui [illegible] anni [illegible]
[illegible] dies [illegible] ad 8 3 2 et 1 [illegible] ad
hoc factus [illegible] Tabule [illegible] [illegible]
anni [illegible] [illegible] ad 8 2 et [illegible]
una ad menses 2a ad annos [illegible] 3a vero ad
annos collectos [illegible] Tabula [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] 2a
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] mensibus [illegible] [illegible] [illegible] bissexto
[illegible] debet [illegible] [illegible] [illegible] [illegible]
[illegible] anni [illegible] [illegible] [illegible] [illegible]
[illegible] in [illegible] bissextilibus et lunaribus
[illegible] [illegible] [illegible] tabula Tabule vero annorum
[illegible] in [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] usque ad 20 et [illegible]
[illegible] annorum [illegible] 3 2 et 1 [illegible]
[illegible] anni [illegible] [illegible] 27 [illegible] [illegible]
[illegible] [illegible] [illegible] anni lunaribus [illegible]
[illegible] usque ad 30 [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] 27 [illegible] [illegible]
[illegible] usque ad 20 annos et 30 [illegible] [illegible]
[illegible] [illegible] Tabula [illegible] annorum [illegible]
[illegible] [illegible] [illegible] [illegible] a 20 et
augentur p 20 usque ad ~~[illegible]~~ [illegible] [illegible]
[illegible] [illegible] usque ad 100 augentur p 100
usque ad 1000 [illegible] a 1000 [illegible] [illegible]

usque ad ~~[illegible]~~ octo milia continue [illegible] mille [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] 8 3 2 et 1 [illegible] [illegible] anni [illegible]
in directo [illegible] annorum [illegible] in [illegible] tabulis
[illegible] anni collecti [illegible] [illegible] [illegible] [illegible]
a 30 et augentur [illegible] usque ad 90 annos
et augentur [illegible] usque ad 900 [illegible] [illegible]
[illegible] [illegible] ad nongenta [illegible] [illegible] [illegible]
[illegible] nongentos annos usque ad 8100
et 8 3 2 et 1 [illegible] [illegible] [illegible] anni
[illegible] in directo [illegible] annorum in [illegible] [illegible]
[illegible] [illegible] modus quo [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] esset
[illegible] etc.

Circa [illegible] Canone 8 [illegible] 2 et [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] 8 3 2 et 1 [illegible]
[illegible] [illegible] [illegible] [illegible] differentie [illegible]
[illegible] ad aliam [illegible] 8 3 2 et 1 [illegible] [illegible]
[illegible] et [illegible] [illegible] et ille [illegible] [illegible] in
[illegible] tabula [illegible] titulus [illegible] est Tabula [illegible]
[illegible] [illegible] ad aliud [illegible] [illegible] [illegible] [illegible]
[illegible] alia [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] tabula [illegible] sit viciata [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] Tabula [illegible]
[illegible] sit [illegible] [illegible] [illegible] [illegible] [illegible]
9 [illegible] [illegible] [illegible] [illegible] esse [illegible] et
[illegible] si [illegible] volueris decimam hoc est [illegible] [illegible]
[illegible] [illegible] [illegible] lineam a prima linea [illegible]
et illud quod manet est decima [illegible] [illegible] [illegible]
[illegible] [illegible] et [illegible] [illegible] 3 [illegible] ad [illegible] [illegible]
[illegible] [illegible] [illegible] undecimam [illegible] [illegible] [illegible] Et
si [illegible] [illegible] a prima [illegible] [illegible] [illegible]
[illegible] usque ad 37 [illegible] [illegible] capit [illegible] octavam
[illegible] Et si [illegible] volueris 18 [illegible] hoc est [illegible]
[illegible] [illegible] [illegible] decimam et undecimam hoc est
[illegible] et [illegible] [illegible] et [illegible] [illegible] [illegible]
[illegible] 18 [illegible] [illegible] [illegible] et [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] et [illegible]
[illegible] 19 [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] ultra etc. Si vero volueris [illegible]
[illegible] [illegible] 9 [illegible] hoc est [illegible] [illegible] [illegible]
[illegible] 8 3 2 et 1 [illegible] 20 annis alphonsii
[illegible] [illegible] 20 annos ad 8 3 2 et 1 [illegible]
[illegible] et alphonsii et [illegible] [illegible] [illegible]
annorum [illegible] [illegible] [illegible] 8 et [illegible]
alphonsii [illegible] directo 20 annorum 3 2 1 8 et
[illegible] [illegible] a 8 [illegible] 3 2 et [illegible] [illegible] [illegible]
a [illegible] 20 annos [illegible] [illegible] tabule [illegible]
[illegible] [illegible] in tabula magna [illegible] [illegible] tabula
[illegible] [illegible] [illegible] [illegible] annos alphonsii
et [illegible] quod [illegible] est [illegible] [illegible] [illegible] [illegible] Et
si [illegible] 3 2 et 1 [illegible] 20 annis alphonsii [illegible]

subtrahendo a Christi 3^is 2^is et primis 2^e partis par-
tial tabule eo durante 20 annos habebis secunda
verum. Si vero fuerit residuum 3 2 et prima 20 annis
alphonsii econtra subtrahendo a Christi 3 primis
et primis partis eo durante 20 annos in parva
tabula partiali residuum 3 habebis etiam et sic quilibet
2 secunda verum est de 3^is 2^is et primis 20 annis
cum ubique ita conformiter sic fieri de Christi 3^is 2^is
et primis 40 annis vel 60 vel 80 circumspicientibus
quia ita tabula augmentatur per 20 annos. Sed dicas
forte certe iste tabule partiales et magne tabule
equationis debent corrigi propter nimiam differentiam sunt
incorrecte et sic tunc per eas non possunt reperiri
nova vera certa. Sed primum cali ad hoc videtur quod
est possibile quod omnes iste tabule sunt incorrecte
et maiores omnes linee earum illarum tabularum et quod
si una linea minime que est in talibus tabulis parvulis
esset correcta adhuc tales dico quod invenire et
nonne dicam

Item nota circa canonem qui incipit Christi 3^is
2^is et primis introitus annorum mensium et dierum mensium
collectorum invenire et si ultimus annorum collectorum
dicitur bisextilis esset 3 post bisextum tunc cum 2^is
et primis quia in tabula annorum expansorum invenire non
potest sed intrando ad tabulam mensium que pertinet
ad annum bisextilem. Sed si fuerit aliquis annus
puta primus vel secundus vel esset ipse met bisextilis
hoc non oportet sed debes intrare tabulam mensium annorum
non bisextilium hoc autem cognosces hoc modo
si enim non intrasti tabulam annorum expansorum sed
cum Christi 3^is et primis solum annos collectos tunc
ultimus annorum non erit 3 post bisextum sed
erit met bisextilis. Si autem intrasti tabulam
annorum expansorum tunc videas si littera ab primaria
denotatur bisextilis per quam annum unicum quem
ultimo produceris et tres secundos et
primos ad annos invenisti quia si ita fuerit
tunc ultimus quem invenisti erat 3 post bisextum.
Sed si aliter fuerit tunc non est tertius post bisextum
ergo quia in littera b sic in tabula annorum expansorum
bisextilium sit hic tacita. Item
nota quod per istum canonem et per illum qui
sequitur qui sic incipit introitus annorum mensium et
dierum propositos ad Christi 3 2 et 1 per tabulas ad
hoc factas reduceres et patet dicere quot
anni romani quot egiptios sive hebreos
faciat. Quod vero per precedentem sciveris quot Christi
3 2 et 1 continentur in verbi gratia 1000 260
aut 1000 et annis romanis reduce ea
ad annos hebreos per secundum canonem.

Item similiter advertendum per reductionem per annos
menses et dies ere alphonsii Christi 3^is 2^is
1^is econtra alterius ere temporis per tabulas vel tabulas
ad hoc factam vel factas. Unde Alphonsinus propter
sui memoriam composuit tabulam unam magnam que
ipse novem continet tabulas partiales in quarum
qua per annos menses et dies ere alphonsii
notos nos invenimus Christi 3 et econtra alterius
ere temporis satis faciliter. Est autem titulus in
tali tabula contractus unius ere cum alia
eo certius quod patet sub titulo tabule sic unicus
potest intitulare tabulam contractus uniuscuiusque
ere cum certis que patet cum era alphonsii.
Unde nota quod alphonsinus posuit ad hoc duas
tabulas unam per annis collectis et aliam per
annis expansis pro mensibus autem nos recipi
tabulam mensium alphonsii et reperitur aput tabulam
aliorum mensium cum igitur quod propositum est sed per annos
menses et dies ere alphonsii Christi 3 2 et 1
Cum econtra alterius ere temporis per tabulas propositas
volueris invenire habeas primo annos al-
phonsii quos hoc modo invenies habeas
primo eram Christi reductam ad tempus tibi placitum
post hoc subtrahe eram ere Christi et alphonsii
ab era Christi reducta et habebis eram alphonsii
reductam adiacens tempore ad quod reduxisti eram Christi
post hoc de isto tempore reducto fac annos menses
et dies et hoc in tabula vel per tabulam que intitulatur annorum [alphonsii]
collecti et earum alphonsii alexandri
persice et diocletiani. Sed intrando tabulam
mensium tabulam iam intra quam intitulatur
menses latini ad annos alphonsii a Junio
incipientes. Cum igitur anni menses et dies
alphonsii et hoc vel alium modum fuerint
tibi noti tunc intra primo cum numero istorum annorum
ad tabulam factam ad annos collectos et
expansos per omnem modum secundum docuit
canonem qui incipit introitus annorum mensium et
dierum propositos ad Christi 3 2 1 per tabulas ad
hoc factas reducere plus et cum mensibus
et in tabula annorum collectorum capias in ta-
Christi 3 et quod continetur sub titulo in ere quam intendis
invenire et non sub titulo alterius, et postquam
cum eisdem annis et mensibus intrasti et ea
Christi 3 et ibi inventa collegisti tunc habebis
eram quam intendebas reductam ad 3 2
habito isto tempore reducto alicuius ere intra
tabulam primam illius ere et fac annos et
menses eo Christi 3^is 2^is et primis partis
medium annorum primo eo Christi 3^is 2^is et primis

per eundem modum et anno [illegible] 3us [illegible]
tunc annos incarnationis [illegible] si libet. Item
non radices in capitibus istarum tabularum par-
tialium posita non aliud intelligas nisi radix
que est [illegible] incarnationis intytulata et
incarnationis alphonsii. Sed pro intellectu ejusdem tabule
notandum [illegible] 20ti annos [illegible]
[illegible] 3orum 2orum [illegible] adde ad
[illegible] linea istarum tabularum
partialium pro qua linea in tabula radix
ut radices posita et habebis secundam lineam
adde eodem modo ad secundam lineam habebis
3am et consequenter. Tabula vero annorum
expansorum corrigitur [illegible]
quia prima tabula [illegible] que intytulatur
annis expansis ad annos regis alphonsii et
incarnationis Jesu Christi et cetera.

[illegible] ad aliud

Notandum circa Canonem qui incipit Nota anni vel mensis
sicut in habetur tunc nota [illegible] idem est quod feria
unde invenire notam anni vel mensis est invenire [illegible]
[illegible] feria sit prima dies in anno vel in mense [illegible]
invenire notam [illegible] diei est invenire cujusmodi feria
sit eadem dies an 2a vel 3a et cetera. Item [illegible]
fit mentio de radice notarum [illegible] unde radix
notarum [illegible] est numerus ferie diei [illegible]
incipit prima Era [illegible] era Christi incipit feria
sexta [illegible] dies [illegible] Jesu
Christi aqua [illegible] erat saba-
tum et sic [illegible] intelligendum est de aliis.
Item notandum pro [illegible] ejusdem tabule
[illegible] notarum annorum [illegible]
linea [illegible]
Sed ad habendum [illegible] 2e linee que intytulatur
secunda [illegible] 60 prima quod faciunt unum [illegible]
et quod remanet [illegible] pone [illegible] ejusdem
[illegible] secunde linee. Item divide 60 secunda [illegible] 3600
[illegible] et remanent 2 que pone [illegible]
[illegible] tertie linee que intytulatur tertia. Item divide [illegible]
[illegible] 216000 [illegible] remanet [illegible]
pone [illegible] prime linee [illegible] habebis
[illegible] linea ejusdem tabule [illegible] adde [illegible]
[illegible] 2 habebis [illegible] et si [illegible] linea
addideris [illegible] veniet 3 et sic consequenter
[illegible] plura [illegible] evenerit
[illegible] patebit
et [illegible] ad locum suum et cetera.

Item notandum circa canonem qui incipit [illegible] horas
[illegible] ac minutorum horarum [illegible]
fractionum ad minuta diei et alias
fractiones diei per tabulas ad hoc [illegible]
reducere. Alphonsus ad hoc [illegible]
constituit duas tabulas quarum [illegible]
[illegible] horarum [illegible]
minuta et [illegible] diei [illegible]
[illegible] ejusdem tabule [illegible] intytulatur tabula
[illegible] horarum in minuta et alias
fractiones diei [illegible] tabule linea [illegible]
in qua ponuntur [illegible] horarum
[illegible] quia 24
hore diei naturalis constituunt. Secunda vero
[illegible] minuta et ceteras
fractiones horarum in minuta [illegible]
fractiones diei [illegible] ejusdem
[illegible] sic intytulatur. Tabula ad [illegible]
minuta diei [illegible] fractiones [illegible]
[illegible] horarum [illegible] fractiones. Sed [illegible]
prima tabula [illegible] 2a [illegible] ut patet in
[illegible] tabula [illegible] quod
[illegible] fractiones horarum [illegible] minuta
[illegible] fractiones diei [illegible]
[illegible] horarum in linea [illegible]
[illegible] prima linea post lineam [illegible]
[illegible] diei in 2a [illegible] 3 [illegible] 2a
diei. Sed [illegible] ad minuta [illegible]
in linea [illegible] in prima linea post lineam
[illegible] minuta in 2a secunda
in 3 tertia diei [illegible]
ejusdem tabule. Item notandum circa eundem canonem
dies naturalis [illegible] artificialis et nocte
artificiali [illegible] dies
[illegible] 24 partes [illegible] equales [illegible]
[illegible] hore equales [illegible]
unaquaque hora equalis in 60 partes
[illegible] inequales [illegible] partes [illegible]
minuta horarum. Amplius minuta hoc
[illegible] 60 [illegible] fractiones
quibus impositum est hoc nomen secunda et sic
consequenter 3 quartas et ceteras fractiones
horarum [illegible] fundamento
[illegible] Alia vero [illegible] ejusdem diei naturalis
in 60 partes equales partiri non cessat
quarum unaquaque particula minuta diei
est vocata. Item unumquodque minutorum diei
in 60 [illegible] partes quibus nomen est 2a
diei et sic ulterius [illegible] secundum [illegible]
[illegible] annotatam. Item notandum si horas
et alias horarum fractiones ad minuta
et ceteras fractiones diei per tabulas

reduc(er)e volueris reduc primo horas et suas fractiones ad idem genus reductum quod divide per 24 et unus quotiens et illud ... denominatio est fractiones quas divisisti que qui unus quotiens si maior 60 fuerit reducatur ad fractiones grossiores continue dividendo per 60 et habebis intentum Amplius siquid remanet post divisionem per 24 factam illud multiplicetur in 60 et quod venit fractio immediate subtilior quam erant fractiones quas primo divisisti et iterum divide per 24 sicut prius nec mirum denominatio cadit in divisionem ... Et in quo ... divisionem invenisti ponas post alias fractiones ad locum suum et postquam inveneris quod querebas tunc ponas ... ad suum locum faciendo tales cellulas ... m. 2. 3. 4. etc.

Item pro correctione casus duarum tabularum superius tactarum primo ponuntur duo minuta et 30 2a dierum et ... dies dividitur in 60 minuta una ... in 24 horas ... in 60 minuta ... dividendo 60 minuta diei per 24 horas cuilibet hore correspondent 2 minuta diei et remanet post tale divisionem ... 12 minuta diei que multiplice in 60 et post hoc iterum productum per 24 divide et unus quotiens veniet 30 2a et ergo in tali tabula et in prima eius linea ponuntur 2 minuta et 30 2a que ... addita sunt ... secunda et si super secundam ... tertia et sic consequenter etc.

et proveniet minuta 2a

Et nota circa canonem illum qui sic incipit minuta dierum et 2a 3a 4a etc. ad horas et minuta horarum per tabulam ad hoc factam reducere etc. Si hoc ipsum per minuta 2a et 3a dierum ad horas et minuta ... per tabulam reducere volueris reduc minuta dierum et alias fractiones dierum ad eandem denominationem sive ad idem genus et ... denominatio sit tale ... reductum postmodum illud reductum multiplica in 24 et denominatio non mutatur postea ... reduc ad fractiones grossiores tale productum continue per 60 dividendo et habebis intentum ... correctione tabule que intitulatur tabula ad ... horas et earum fractiones per minuta dierum et partes fractionum

Nota primo multiplica 24 per 60 et productum divide per 60 et habebis nichil ... et 24 minuta et ... primam lineam quam adde super se et habebis secundam et si eandem per primam addideris super 2am habebis tertiam et sic consequenter etc.

Notandum circa canonem qui sic incipit Quia intellige ... radix ... motus ... etc. Quia sic radix ... ibidem ... notandum quod ... motuum consideratur in orbe signorum in zodiaco et dicitur medius motus aliquis vero consideratur in epiciclo et dicitur argumentum Amplius motuum in orbe signorum considerato quidam computatur a principio arietis sicut sunt medii motus omnium planetarum et capitis draconis Quidam autem a medio motu solis computatur sicut media elongatio lune a sole quidam vero a capite draconis sicut medius arcus latitudinis lune et alphonsius omnes tales radices posuit in una tabula et sicut planete sunt ... ita quod diversi tituli ad diversas tabulas videntur pertinere apponantur ut patet ibidem Rursus omnes radices motuum debent esse secundum medios motus planetarum Et notandum quod radices ille sunt posite solum super meridianum tholeti que est civitas in hyspania cuius longitudo a meridie ultime regionis habitabilis ex parte occidentis est 11 gradus latitudo vero eiusdem civitatis 39 gradus et 54 minuta et per consequens omnes equatores que sunt supra radices tholeti solum veritatem tenent respectu meridiani Tholeti etc. Cum igitur volueris radices illas reducere super meridianum civitatis alterius fac sic videas quanta sit longitudo illarum civitatum id est quot gradus equinoctialis circuli mediant inter meridianos civitatis toleti et civitatis tue super quem meridianum radices Toletanas reducere volueris longitudo enim regionum vel civitatum non est aliud nisi arcus equinoctialis consistens inter meridianos illarum civitatum vel regionum per vide igitur quot sunt gradus et minuta illius arcus inter predictos meridianos ... quos gradus et minuta reducas ad horas et ad fractiones horarum et ... horas cum suis fractionibus ulterius ad minuta et secunda dierum cum quibus quaeras medium motum ... cuiusque planete vel etiam argumenti ...

... ... per quindecim gradibus ... quatuor ... et per ... 15 ... gradibus ... et per quos ... residuo ... 2a hore ... hora equalis ... ascendunt 15 gradus ... et in ... 4 ... hore ascendunt 15 ... gradus et in 4 2a hore ascendunt unum minutum gradus etc.

et sua ad parte postmodum considera
utrum Ciuitas tua sit orientalior uel occi
dentalior quam tholetum et si Ciuitas
tua fuerit orientalior tunc medium motum
distantie pro fuatu subtrahe a radice
tholetana Si uero ciuitas tua fuerit occi
dentalior adde et quod post subtractionem
uel addicionem prouenit erit radix ad
locum tuum reducta ut gratia exempli re
ducere radices Tholetanas ad Ciuitatem
Cracouiensem siue super meridianum ciuitatis
Cracouiensis oportet ergo quod primo scire transeamus
longitudinem inter meridianum ciuitatis Cracouie
et tholeti Unde longitudo primo inter
Tholetum et pragam est 18 gradus et
30 minutorum ~~Sed inter pragam et~~
~~Cracouiensem~~ que ascendunt in una
hora et 12 minutis que equalet
1 hora minutis et 7 secundis diei
Sed inter pragam et Cracouiam
longitudo secundum aliquos est 3 gradus et 30
minutorum que super orizonte eleuatur
in 12 minutis hore que 37 secundis diei
equiualet et sic secundum tales longitudo inter
Tholetum et Cracouiam esset 22 gradus
qui gradus eleuatur in una hora et
28 minutis hore que valet 3 minuta
et 42 diei Secundum alios vero
~~inter~~ inter pragam et Cracouiam est
ponitur longitudo 3 graduum et 6 minutorum
que super orizonte ~~in una hora~~ in
12 minutis et 28 secundis horas
eleuatur que 31 secundis equalet et
sic secundum istos longitudo inter tholetum
et Cracouiam esset 21 gradus et 36 minutorum
que in una hora 26 minutis et 28
secundis horas super orizonte ascendunt
qui ultimi 3 minutis et 36 secundis diei
equalent quod forte magis propinquum est
ueritati Cum quibus igitur 3 minutis 36 secundis intra
tabulas mediorum motuum et faciendo
ut dictum est Sed modus inueniendi
distantiam duorum circulorum meridianorum est
multiplex quorum primus est per introitum ad tabulam
longitudinum regionum et quere longitudinem
loci radicum postmodum quere longitudinem re
gionis tue et tunc subtrahe maiorem de
minori et remanebit distantia circulorum me
ridianorum in gradibus facit igitur ex eis horas
equales et medium inscriptum et

‸ et quia Cracouia est ciuitas orientalior subtrahe ergo
medium motum cuiuslibet planete uel eius argumenti
medii inuentum a radice tholetana et habebis
radices tholetanas reductas ad meridianum
Cracouiensem

consequens minuta et 2 diei et ut dictum est
cum quibus intra tabulas mediorum motuum ut dictum est
Et iste modus solum verus est si inuenta
ambe regiones uel ciuitates in tabula
regionum longitudinum regionum et cetera et quod tabula
ista sit bene posita Secundus vero modus
est iste Capta principium eclipsis lunaris
per tabulas loci radicum postmodum tempore
eclipsis lunaris quam per tabulas inuenisti
sis in ciuitate ista cuius distantiam queris
et cum luna incipit intrare umbram
tunc capias altitudinem alicuius stelle
fixe in astrolabio super latitudinem tue
regionis inscripte ponas quod circumferentiam
eiusdem stelle in almicantarat altitudinis
sue et inuenies tempus quod est elapsum a
principio meridiei usque ad illud tempus postea
subtrahe minus a maiori et illud quod re
manet est distantia inter duas ciuitates
et iste modus certus est et verus
Tercius vero modus ~~et lune~~ est talis
Considera primo quando luna fuerit in linea meridiana
siue in circulo meridiano tue ciuitatis in
aliquo die et considera per astrolabium uel
aliquod aliud instrumentum astrolabium nominale
gradum et minutum in quo luna in tempore celum
mediat in tua ciuitate post hoc quere
verum locum lune super meridianum ~~thole~~
radicum eadem hora diei et prescribe radices
medii motus lune solis et augium medii
lune et operare secundum canonem ~~med~~ vel motus
lune et habe verum motum lune sua et si
verus locus lune super meridianum radicum
iam inuentus concordat cum gradu et mi
nuto uel motus lune per astrolabium in tua
ciuitate inuentus Tunc distantia siue lo
ngitudo inter meridianum radicum et tuam
ciuitatem nulla est sed sunt in una longitudine
Si autem motus lune inuentus per astrolabium
in tua ciuitate fuerit maior motu lune in
uento super meridianum radicum tunc ciuitas
tua est occidentalior Si minor tunc orien
talior Deinde subtrahe minorem motum
a maiore et differentia est verus motus lune
quam pertransit luna in zodiaco antequam
venit ab uno meridiano ad aliud quam
differentiam sua equatam considera per
estimacionem quot miliaria tunc sunt inter
secundum longitudinem propter ipsius oriente uel occidente
sit inter istos duos meridianos scilicet radicum
et ciuitatis tue et recipe per tabulas 16

minutis l. graduum secundum x. minuta hore sine 10. z diei et intrato tunc cum medium motum solis et lune et argumenti medii lune quos medios motus subtrahe a radice medii motus solis lune et argumenti lune radicum si civitas tua fuerit orientalior vel adde si fuerit occidentalior hoc facto que tibi exeunt radicibus post subtractionem manebunt medii motus lune ~~et argumenti lune~~ solis et argumenti lune verum locum lune per equando lunam secundum canonem veri motus lune ad horam diei predicti sed cum receperis tibi coniuncto gradum lune cum sua contra in medio celi et si verus motus iam inventus concordat cum loco lune invento per astrolabium tunc bene extimasti distantiam inter predictos meridianos Si autem civitas tua fuerit orientalior et verus motus iam inventus per novas radices fuerit maior loco lune invento per astrolabium distantia extimata inter duos meridianos fuit nimis parva et si fuerit occidentalior fuit nimis magna Si vero civitas tua fuerit occidentalior et verus motus lune iam inventus per dictas novas radices fuerit minor loco lune invento per astrolabium distantia predicta extimata inter duos meridianos fuit nimis magna et si fuerit occidentalior fuit nimis parva hoc facto recipe extimationem aliam maiorem vel minorem sed oz et cum per predictum modum invenies verum locum lune ad horam diei predictam a sic oz te totiens quotiens verum locum lune per estimationes donec verus locus lune per verum per novam radicem civitatis tue concordat ad verum locum lune acceptum per astrolabium Et per hunc modum inventum est sine tempore oz inter meridianum Tholletanum et Pragensem sunt una hora et 18 minuta que equivalent 3. minuta et 7. 2is Sed cuius cortidie circuitu firmamenti 18. g. et 30 minuta in tiri vero 296 miliaria Theutunicalia

Notandum pro correctione tabule illius quam intitulatur Tabula revolutionis annorum mundi in suis fractionibus Sol in anno uno non potest revertere ad idem punctum a quo exivit sed ultra hoc restat .l. xg. et sic quod patet de prima linea prima que si addatur supra se proveniet 2a et si eidem 2a addita fuerit supra secundam proveniet 3a et sic ultra istam tamen proportionem quamcumque proveniunt plures hore quam 28. 28. debet dempi et residuum poni in loco suo sed pro correctione alterius tabule sed quam intitulatur tabula revolutionis annorum notandum quod in una hora ascendunt annorum notandum quod in una hora equali quod ex .28. pro diei naturalis sed est equali ascendunt 17 g. minuta et l. x. minuta hoc .l. gradus Si in uno minuto hoc ascendunt 17 minuta gradus et l. x. secunde hore ascendunt .l. minuto g. unde corrigendo predicta capiantur hore minuta et secunda posita in linea prima tabule revolutionis annorum mundi in suis fractionibus constituta et pro quibus hora capiantur 17 graduum et xl. x. minuta hoc capiantur .l. graduum et ~~[illegible]~~ xqb minuto hore 17 minuta gradus et xqb x. secundo .l. minuta graduum et tertius pro linea tabule revolutionis ascendentium Si vero 2am hunc volueris adde eandem supra se et habebis eam et si eidem primam addideris supra 2am habebis tertiam et sic tamen proportione quocienscumque excreverit 360 gradus remodo ipsos et residuum tene in loco suo Deinde tamen adverte quod .6. z hic non potest quod ponitur in primo loco linee secundorum et non est in tabula revolutionis annorum mundi non ponitur .3. horas ex quibus resultant a 6 secunda nichilominus tamen in dz poni

Notandum circa canonem mediorum motuum qui sic incipit medium motum solis et lune etc. pro tabulis ... Quod in eodem canone solum habetur quomodo medios motus planetarum ad tempus futurum habeat invenire. Sed quomodo medios planetarum ad tempus preteritum poterit invenire non docet. Cum igitur volueris medium motum alicuius planete ad tempus preteritum invenire, fac sic. Considera primo ad quantum tempus ante principium eris velis. Hoc facto illud tempus reduc ad [illegible] annos et [illegible] intra cum [illegible] ad tabulam medii motus quem invenire volueris non per tabulam radicum, et postquam omnibus introitibus feceris et unus ad invicem addideris tunc subtrahe ipsum a radice medii motus illius. Et remanebit [illegible] antequam propositum motum intendis invenire a radice dico in medii motus quem volueris invenire. Et si non posses subtrahere tunc mutua 6 signa si habueris signa physica aut 12 si fuerint [illegible]; tunc subtrahe minus [illegible] a toto collecto et habebis medium motum planete ad tempus preteritum per eundem meridianum per quem radices a quibus motum tuum subtrahis ibi fuerint constitute. Unde habes invenire medios motus planetarum ad tempus preteritum et preterea futurum mediante aliqua radice ad [illegible] motus ad aliquam etiam [illegible] mediante tabula [illegible] unius regni ad aliud corrige omnes radices eiusdem motus aliarum [illegible] etc.

Notandum circa canonem medie coniunctionis et oppositionis et quadrature medie super [illegible] aspectuum mediorum qui sunt inter solem et lunam in [illegible] eiusdem canonis [illegible] de quadratura media [illegible] [illegible] aspectibus mediis et preterea de quadratura media [illegible] [illegible] [illegible] [illegible] medius [illegible] [illegible] aspectus medius lune ad solem dicitur tunc esse quando inter medium motum solis et inter medium motum lune reperitur intervallum 90 graduum hoc est 3 signorum, quia [illegible] unum signum physicum et 30 gradus computando a sole usque ad lunam secundum ordinem signorum. Et hoc sit [illegible] [illegible] medio inter mediam coniunctionem et oppositionem. Sed secundus [illegible] aspectus dicitur esse quando inter medios motus luminarium reperitur intervallum 270 graduum scilicet 9 signorum quia [illegible] [illegible] sunt 9 signa physica et 30 gradus computando a sole usque ad lunam [illegible] ordinem signorum et hoc est [illegible] [illegible] secundo inter oppositionem mediam et coniunctionem mediam luminarium etc.

Item notandum quod in canone de [illegible] [illegible] volueris [illegible] coniunctionem [illegible] [illegible] [illegible] ut habetur ibidem [illegible] primo [illegible] media [illegible] longatio [illegible] [illegible] [illegible] elongatio aut est plus tribus signis aut minus. Si plus tribus tunc [illegible] est coniunctionalis [illegible] [illegible] coniunctionem eandem cum eadem elongatione et [illegible] in tabula [illegible] et [illegible] medium motum solis et medium argumentum lune ad eandem coniunctionem et [illegible] [illegible] postquam aut [illegible] [illegible] [illegible] Si annus est coniunctionalis tunc adde [illegible] tempus [illegible] [illegible] dies ut habetur ibidem in canone et habebis oppositionem [illegible] [illegible] adde [illegible] medium motum solis tempore [illegible] medie .0. [illegible] 33. [illegible]. Et [illegible] medium argumentum lune .3. [illegible] [illegible] 30. Et [illegible] medium argumentum latitudinis lune tempore eiusdem [illegible] [illegible] [illegible] .3. [illegible] 20 .1. Et habebis medium motum solis et medium argumentum lune et medium argumentum latitudinis lune ad oppositionem [illegible] sequentem [illegible] labore [illegible] [illegible] [illegible] [illegible] hoc [illegible] [illegible] [illegible] et oppositionum [illegible] radices [illegible] et [illegible] [illegible] Sicut media elongatio [illegible] [illegible] fuit minus .3. signis tunc annus est [illegible] [illegible] [illegible] [illegible] media cum [illegible] elongatione media [illegible] in canone [illegible] [illegible] et [illegible] [illegible] tempore [illegible] [illegible] tunc [illegible] [illegible] tempore medie [illegible] [illegible] medii argumenti lune et medii argumenti latitudinis lune et [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] Si annus fuit oppositionalis [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] radicibus [illegible] illius [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] medios et [illegible] [illegible] et [illegible] media illorum [illegible] [illegible] motus et [illegible] medii motus [illegible] ut [illegible] est.

[illegible]

Item notandum circa eundem canonem ubi dicitur Si vero non pervenit 6 signa perficere nec tamen signa complete nec .j. signum et 30 gradus sunt post centrum Si volueris scire quantum subtrahere id quod provenit de 6 signis et residuum serva nam hoc autem scilicet quod ... si coniunctio media sive oppositio media sive quadratura media fuit futura in oriente ad id tempus ... fuit quesiuisti mediam elongationem Centrum ... Si volueris scire quantum subtrahere Si 6 signis scilicet ... de 6 signis ... subtrahe de ... si coniunctio seu oppositio seu quadratura media ... fuit precedens id tempus ad quod reduxisti centrum tuum non ... te id productum subtrahe de 6 signis ut a ... centrum ... et cum eodem producto intra tabulam medie elongationis et fac ut ibidem habetur Sed ubi dicitur in eodem Canone Deinde ... dies ... dies et ceteras fractiones quas per operationem invenisti adde tempori eius quo quesiuisti mediam elongationem et quod post additionem provenerit erit tempus coniunctionis vel ut oppositionis seu quadrature medie hoc iterum intelligendum est si coniunctio vel oppositio vel etiam quadratura media quam queris fuerit futura Si vero coniunctio fuerit preterita sive oppositio sive quadratura media quam queris id tempus ... dies si ... fuerit ... dies et ceteris fractionibus quas per operationem invenisti subtrahe a tempore eius quo quesiuisti mediam elongationem et quod post subtractionem remanserit erit tempus coniunctionis medie oppositionis medie vel etiam quadrature medie ... coniunctio media ... fuerit futura vel etiam preterita ... tempus ad quod reduxisti centrum tuum et eius quo queris ... medium elongationem Nota Si productum post ... medie elongationis fuit plus ... signis ut puta 5 vel 7 ... est futura et tunc subtrahe id productum de 6 signis et remanebit distantia seu media elongatio solis et lune cum qua distantia seu ... intra tabulam ... Si vero productum fuerit minus 3 signis ... est preterita et per

productum non oportebit te subtrahere de 6 signis quod ... productum plane cum illo intra ut prius

Nota ad canonem introitus solis in
arietem ut est in quodam quaterno [illegible] inclusum
est istum. Cum verus solis locus ad tempus
introitus eius in arietem secundum estimacionem
[illegible] dictus fuerit ~~[illegible]~~ et aliquis
querere voluerit an sol tempore estimato
sit citra punctum arietis vel in eius puncto
vel an eius principium iam transivit hoc
est dictum. Si quis querere voluerit utrum
introitus solis in arietem tempore estimato
fuerit adhuc futurus vel preteritus vel presens
ad visum debet. Si verus locus solis ad
illud tempus estimatum [illegible] minor sex
signis propositis [illegible] fuit [illegible] fuerit
in [illegible] [illegible] [illegible] solem
in tempore esse citra punctum arietis et introitum
eius esse futurum [illegible] tale locum solis
verum a 6 signis subtrahe debet et post
subtractionem remanebit tibi distancia
inter solem et punctum arietis quam distanciam
[illegible] solis in uno [illegible] diei [illegible]
[illegible] canone expressum debet dividi
et tempus per divisionem inventum quo introitus
futurus est ut habetur in canone adde
et veniet tibi tempus introitus in arietem
precise vel minime maiore [illegible]. Si
vero verus solis locus tempore estimato
inventus sex signis precise fuit sic quod
ibi nec gradus nec minuta [illegible]
fuerit erat sol tempore isto estimato
[illegible] arietis arripere tempus estimatum esse
tempus verum introitus solis in
arietem. Si autem verus locus solis a
[illegible] signis [illegible] fuit ita quod ultra
6 signa ibi aliqui gradus et [illegible] vel
gradus vel minuta fuerit erat sol
tempore estimato arietis punctum transivisse et in-
troitum eius in punctum arietis preteritum esse. Quare
illum verum locum solis a 6 signis ad
inveniendam distanciam inter punctum arietis
et solem [illegible] [illegible] [illegible] gradus
et [illegible] [illegible] gradus vel minuta [illegible]
~~[illegible]~~ quod ultra 6 signa fuerit
[illegible] quod [illegible] distancia
quam distanciam [illegible] solis in uno
[illegible] diei [illegible] canone [illegible]
debet et tempus per divisionem inventum a tempore
estimato quo introitus preteritus est ut [illegible]
canone subtrahe ~~[illegible]~~ et [illegible]
remanebit tibi tempus introitus solis
in arietem precise vel minime valde [illegible]

Si non precise opus [illegible] [illegible] canone [illegible]
in [illegible] [illegible] nota quod non solis
[illegible] illo docetur quando introitus solis
in punctum arietis [illegible] debeat [illegible]
[illegible] imaginare [illegible] [illegible]
[illegible] [illegible] debet verus locus solis
ad tempus introitus solis [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] introitus solis in arietem
[illegible] arietis est 11 marcii [illegible]
[illegible] [illegible] 11 dies aprilis
in [illegible] 12 dies Junii et in
leone 12 dies Julii in virgine [illegible]
12 dies Augusti in libra [illegible]
dies septembris in scorpione [illegible]
12 dies octobris in sagittarium [illegible]
12 dies novembris in capricornum [illegible]
dies decembris in aquarium 10 dies
Januarii et in pisces 9 dies fe-
bruarii. Cum igitur [illegible] voluerit
~~[illegible]~~ invenire [illegible] [illegible]
[illegible] [illegible] canone [illegible]. Si autem
[illegible] voluerit [illegible] [illegible] a suo
[illegible] [illegible] [illegible] quantitate arcus [illegible]
[illegible] [illegible] et [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
arcu hoc facto [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] sol sit
[illegible] [illegible] et [illegible] [illegible]
[illegible] arcu vero loco solis [illegible] est
arcus [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] illo
estimato. Si vero minor sit locus solis quam
arcus [illegible] [illegible] [illegible] verus locus
solis [illegible] [illegible] ab arcu [illegible]
introitus est [illegible] [illegible] [illegible] futurus
et remanebit tibi distancia solis ab
illo [illegible] ad [illegible] [illegible] [illegible] sol [illegible]
ad quam distanciam [illegible] [illegible]
[illegible] [illegible] [illegible] sol [illegible] [illegible]
venit. Si autem locus solis verus sit
[illegible] quam arcus [illegible] [illegible] [illegible]
sol [illegible] [illegible] [illegible] igitur [illegible] sol [illegible]
ultra arcum [illegible] [illegible] et [illegible] [illegible] distancia
oportet [illegible] [illegible] de sole [illegible] [illegible]
[illegible] de arietis [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] de [illegible] [illegible] et
non [illegible] [illegible] [illegible] [illegible] dies

naturales sunt duplices quedam dicuntur medii
vel mediocres sive non equati alii
vero sunt dies diversi differentes sive ex-
equati nuncupantur. Sunt dies mediocres
revolucio equinoctialis celi cum tanta
parte circuli quantam sol et ceteri planete
motu suo medio in zodiaco et hoc
circa motu solis medio ad unum
diem reddito. Dies mediocris est tempus
quo totus equinoctialis respectu alicuius
puncti in terra figurati revolvitur et
insuper tantus arcus quanto sol medio
motu de orbe signorum in una die
rescindit et hoc est secundum alphonsum
59 minuta 8 secunda 19 tercia et ita
dies naturalis mediocris est 360 gradibus
et 59 minutis et 8 secundis etc. componitur
Unde per quod patet quod una hora equino-
ctialis est pars 15 graduum equatoris
sive 15 gradibus et 2 minutis unius gradus
sive quasi equatur. Et notandum quod omnes
tabule mediorum motuum sunt ordinate
ad quantitatem mediorum dierum quia sunt equales
inter se et non sunt ordinate ad inequales
dies diversos sive equatos. Porro
dies diversi sive equati vel differentes
dicuntur revolucio equinoctialis celi cum
elevacione arcus vel motus quem sol
ad illum diem perficit diversum et isti
sunt inequales inter se unus non dici
ad unum equalis est dum sed cum pluribus
diebus collata sunt sit manifesta et
ad tales dies convertit ascendens etc. ex
quibus dictis patet quod tytulus illius tabule
tabula equacionis dierum cum noctibus
suis est quia in se primo videre
dies naturales quod sit vel illius patet
in tytulum tabule equacionis dierum naturalium
et convertis eandem cum gradu veri loci
solis. Unde dies mediocres sive non equatos
in dies diversos sive equatos quando volueris
intra cum signo in quo sol eodem die vel hora
quo vel qua hoc facere desideras moram
ad tabulam equacionis dierum cum noctibus
suis et quere ibi signum in capite tabule
eiusdem gradus vero quibus dicto signo
perficit in linea numeri quantum est. Deinde
accipe gradus et minuta que in directo
illorum graduum et sub signo sol inveniuntur

cum motu solis vero sive diverso ad unum diem addito
vel dicta diversa sive equata est tempus quo totus equinoctialis
respectu alicuius puncti in terra figurati revolvitur et insuper tantus
arcus quanto sol vero motu suo diverso sive vero
respondit

et intra cum duplici intencione si necesse
fuerit quo facto per quolibet gradu dicto facit
4 minuta hore vel 10 2a diei et per quolibet
minuto gradus dicto recipe 4 2a hore
vel 10 3a diei et addas hoc totum tempus
super tempus mediocre et habebis intentum
id est habebis dies differentes quia eo sic in-
venitur revolucio equinoctialis et
elevacio sive ascensio tante eius partis
que correspondet diverso motui solis tali
pacto et vide ergo quia dies etc. hac
tabula ortum suum capiat a meridie

Notandum pro inquirenda eclipsi solis habeas primo verissimam coniunctionem duobus luminaribus equatis et [illegible] verum locum solis similiter verum locum lune ad illud tempus. Deinde [illegible] secundo arcum latitudinis lune secundo equabis ad tempus [illegible] medio motu capitis draconis circa locum lune [illegible] surgit arcus latitudinis lune secundo equatus. Hiis habitis scias tempus eclipsis [illegible] duobus equatis [illegible] diversitas aspectus ut [illegible] magistri [illegible]. Sed antequam hec doceantur premittenda sunt aliqua multum notanda et primo [illegible] videndum est quid et quotuplex sit diversitas aspectus. Unde nota quod verus locus lune est punctus celi in quo linea a centro terre [illegible] per centrum lune educta in celo terminatur. Sed visus eius locus est in celo punctus celi in quo linea a visu aspicientis per centrum lune producta in celo terminatur. Etiam notandum quod verus locus lune in longitudine in orbe signorum est punctus sectionis duorum circulorum quorum unus est zodiacus et alius circulus magnus per verum locum lune in celo transiens et per polos orbis signorum. Sic similiter visus locus in orbe signorum est punctus sectionis duorum circulorum quorum unus est orbis signorum et alius circulus magnus transiens per polos orbis signorum et per visum locum lune in celo. Diversitas igitur aspectus lune in longitudine est arcus circuli signorum medians inter verum locum lune et eius locum visum. Sic similiter intellige de sole. Circa idem nota quod verus locus stelle in latitudine est punctus sectionis duorum circulorum quorum unus per corpus stelle transit et per polos orbis signorum, alius per corpus stelle transit et est equidistans zodiaco. Sic locus lune visus in latitudine est punctus sectionis duorum circulorum quorum unus transit per locum lune visum in celo et per polos zodiaci, alius vero transit per locum lune visum in celo [illegible] et est equidistans zodiaco. Est igitur diversitas aspectus lune [illegible] in latitudine arcus circuli per polos orbis signorum et per [illegible] locum lune transeuntis inter circulum signorum et visum locum lune [illegible]. Sed hic notandum quod diversitas aspectus lune in longitudine quam [illegible] per tabulam diversitatis aspectus [illegible] arcus orbis signorum inter visum locum lune et visum locum solis [illegible] et hec diversitas aspectus vocatur [illegible] debet dici diversitas aspectus lune

ad solem quia supplet diversitas aspectus [illegible] pro meliori intellectu [illegible] quod diversitas aspectus quam ponunt in tabulis non est tota diversitas aspectus lune sed est diversitas aspectus lune dempta alia diversitate aspectus solis. Alias enim oporteret nos eciam querere diversitatem aspectus solis et ipsam subtrahere a diversitate aspectus lune quod esset valde laboriosum et hoc est [illegible]. Dico minuta diversitatis aspectus in longitudine posita in tabulis non sunt [illegible] arcus celi quo luna apparet orientalior vel occidentalior quam est secundum veritatem [illegible] nos [illegible] arcum celi quo sol apparet orientalior vel occidentalior quam est secundum veritatem et arcum solis subtrahere ab arcu lune. Est igitur diversitas aspectus lune recta ex tabulis arcus celi quo cum sol et luna sunt in eodem puncto celi apparet luna secundum visum orientalior vel occidentalior quam sol. Similiter minuta diversitatis aspectus in latitudine sunt arcus celi quo luna apparet secundum aspectum meridionalior quam sol [illegible] in eodem puncto celi secundum veritatem [illegible] addere [illegible] diversitas [illegible] solis [illegible] minutorum et [illegible]. Secundo quod precise debes [illegible] partio circuli diurna et nocturna [illegible] in gradibus et eorum fractionibus quam in horis et earum fractionibus quarum una que hic sit est talis. Si volueris scire partionem nocturnam [vel] diurnam vel arcum diurnum subtrahe ascensiones loci solis de ascensionibus nadir eius si poteris. Si vero non poteris adde super ascensiones nadir solis 360 gradus et a toto aggregato subtrahe ascensiones graduum solis et quod remanet est arcus diurnus sive partio diurna et si [illegible] arcum diei subtraxeris a 360 gradibus [illegible] remanet est arcus nocturnus et [illegible]. Nota quod ille ascensiones accipiende sunt in tabula elevationis signorum in circulo obliquo [illegible] ad clima in quo quis habitat. Unde nobis in Cracovia existentibus elevatur polus ad 49 gradus et ad 50 minuta [illegible] et sic elevatio poli nobis est quasi fere 50 gradus. Cum igitur ascensiones loci solis sive volueris [illegible] intra tabulam ascensionum in spera obliqua [illegible] que tabula [illegible] meridiano et in [illegible] in capitulo tabule et quatuor locum solis in lineis numeri et si [illegible]

portionis tue in directo ascensionis circuli ascensionis
quas quaeris. Si vero eam non proporcio-
naliter invenire quod tunc contingit cum in loco
solis fuerint minuta ultra gradus tunc intra cum
minori [illegible] deinde cum maiori [illegible] post-
hoc subtrahe a maiori ascensionibus ascensiones minoris
et manebit differentia quam accipe partem proportionalem
proportionaliter ad 60 27 minuta quem
quam partem [illegible] adde super ascen-
siones [illegible] si ipse fuerint minores
vel subtrahe a primis si ipse ascensiones
fuerint maiores et habebis ascensiones solis
excepto illorum veri loci solis tempore verissimi
quaero. 12 aprilis. 12 dies februarii
anni domini 1331 completi circa quod
sol erat ... 32 12 ... ab
... 12 ... et est ... 29
gradus 12 signi ... minuto ...
... 2 ... in tabula ascensionum
... ultimi ... septimi Climatis
latitudo ... A 40 gradus et inveni in
directo sub ... 321 gradus et 12 mi-
nuta intrando ... addito et inveni in directo
321 gradus et 21 minuta a quibus subtrahe
ascensiones primo receptas et remanebit
differentia 29 de qua accipe partem proportionalem
27 minuta quem ...
... minutorum ... loco
solis ultra signa et gradus et veniet
[illegible] 20. 18. quam adde
ascensionibus primo receptis et provenient
ascensiones equate proprie loco solis
scilicet 321 gradus 32 minuta 18 post
hoc quaere ascensiones nadir solis
... in eadem tabula ... nadir solis
21 gradus ... cum quo intrando tabulam
... et primo inveni ... 180 gradus
28 minuta ... uno gradu addito et inveni
182 gradus et 12 minuta a quibus subtrahe as-
censiones primo receptas et veniet differentia
1 32 ... 28 28
que adde ascensionibus primo receptis et
venient ascensiones equate proprie nadir
solis 181 gradus 20 28 post hoc subtrahe
ascensiones solis ab ascensionibus nadir
et quia subtrahi non possunt adde ergo
ascensionibus nadir 360 gradus et provenient
201 gradus 20 28 a quibus subtrahe
ascensiones gradus solis et post subtractionem
remanebit arcus diurnus seu portio di-
urna in gradibus et aliis fractionibus

129 gradus 18 30 post hoc eundem arcum
diurnum subtrahe a 360 gradibus et re-
manebit arcus nocturnus eius in gradibus
scilicet 230 gradus 21 30 secundo ergo
arcum diurnum solis et nocturnum hoc
modo in gradibus et aliis fractionibus habueris
et volueris eos convertere in horas et minuta
horarum divide quemlibet istorum arcuum per 15 et
numerus quociens dabit tibi horas equales
Si vero aliquid post divisionem remanserit
de unoquoque gradu remanente fac 4 minuta horae
et de quibuslibet 15 minutis graduum fac unum
minutum horae ... minutorum
per 15 de unoquoque minuto remanente fac
4 secunda horae ... 15 secundis
gradus fac 1 secundum horae et ... per 15
et unoquoque 2o remanente fac 4 tertia horae
... quousque volueris et habebis id quod
quaeris ... horae noctis per te invenire
... et ... dividendo arcum
noctis per 15 2o sic subtrahe horas et ...
diei a 24 horis et remanebunt horae
noctis ... istorum arcuum diei ...
129 gradus 18 30 divida ... primo num
... per 15 et ... quociens veniet
tot horae 10 horae et ... remanet
4 gradus facta ergo de unoquoque gradu re-
manente 4 ... horae et 16 minuta ...
Si minutorum per 15 ... possem tunc in
... quociens veniret minuta horae et
quia ... non possum ... ergo ...
... 4 secunda et venient tot 16 secunda
... post horas et ...
post hoc divide ... secundorum per 15 et
... quociens venient 2 secunda quam adde
secundis ... et ...
18 secunda Erit ergo arcus diurnus ...
in horis et minutis ... 16 minuta 18
qua parte diei seu quot horis cum
suis fractionibus subtrahe a 24 horis et
remanebit ... 2 secunda quam
... noctis in horis et ...
Ceterum ... ut sciamus
... et ... praecedit de
die artificiali tempore verissime ...
... horae et ... ab
ortu solis usque ad tempus verissime ...
Illud autem ... Si ... verissime
... diebus equales ...
... dimidiam partem diei in horis
et minutis horarum ... et minuta
horarum addam dimidie partis diei

104. b.

accipte horas et minuta et aggregatum
hoc et minuta horas que preterierunt in ista
die artificiali tempore vere hore quesite. Si autem
hec vere hore quesite fuit tam ultra quod
excedat dimidiam partem diei et totam
noctis tunc ipse hec vere hore quesite
et minuta subtrahas de 24 horis et re
siduum demas de dimidia parte diei
accepta in horis et quod remanet
est hore et minuta que precesserunt de die et
non quod oportet vnum ex duobus hijs fieri scilicet
vel quod hec vere hore quesite sit tam pauce
ut non excedat dimidiam partem diei
vel tam ultra ut excedat dimidiam
partem diei et totam noctem Si quesito
fuit diurna quia si aliter foret questio
non esset diurna licet esset tempore vere hore
quesite aliquot hore elapse de die sed
potius de nocte et ex hoc patet quod tale ex
emplum duo includit primum scilicet quot
hore preterierunt de die secundum an questio
sit diurna vel nocturna et de illo tamen
clarius dicetur in sequentibus exemplo inquadrato di
midia parte diei in horis est ita 7 ho
8 . 29 et hec vere hore quesite dic 89
equales tamen primis minutis sunt tot 2 h 29
non certum est quod hore vere hore quesite
sunt tam pauce quod non excedat dimidiam
partem diei quare hore et minuta hore
vere hore quesite addas dimidie parti
diei et prouenit hec tamen sunt minuta
que precesserunt tamen ista dies artificialis tempore ve
re hore quesite scilicet tot 1 hore 28 28
Quartum quod scire debet scilicet scire
ascendens tempore vere hore quesite ad hoc autem
faciendum primo oportet accipere summam ascensionum horarum
preteritarum et illa habetur multiplicando horas
preteritas per 15 quia equaliter horas ascendunt
15 gradus et ex quibus 4 minuta hoc facit 1 gradus
et ex quo 15 minuta hoc faciendo 15 minuta gradus
et ex quibus secundo hec 15 2a gradus
in hoc loco non oportet procedere ad 2a
deinde ista summa ascensionum horarum preteritarum
oportet addi super ascensiones loci solis acceptas
in tabula pertinente ad tuam regionem
et quia totius collecta summa que oportet in
tabulis ut minus superius tamen et oportet accipi
gradus equales quos gradus zodiaci continetis
parti in linea una et si non perfecte inveneris
summam ascensionum tunc intra tam in medio
proximum et gradus zodiaci illi minori
correspondentem scribe et post hoc subtrahe
illam minorem in tabule a summa tua
et differentiam multiplica per 60 et productum

multiplicatione divide per differentiam linee in
intrata et linee sequentis et in
numero quotiente exibunt minuta que oportet addi
gradibus ex zodiaci prius ex scriptis et
habebis ascendens eorum horarum inquadrato de
die artificiali tempore vere hore quesite sunt hore
1 hore 28 28 et multiplicando 1
per 15 et capiendo 4 quibuslibet 28 minuta hoc
15 gradus veniet summa addenda 28 secunda
1 minuta ad minuta veniet summa ascensionum
illarum scilicet ista iii gradus 17 minuta quas
ascensiones adde super ascensiones loci
solis et veniet summa ista scilicet 381 gradus
32 minuta quam summam quere in tabula ascensionum
signorum pertinente ad regionem tuam et quia
ascensiones ille ullo modo inveniri possunt
quia plures sunt 360 gradibus pone gradus
360 gradus et residuum scilicet hoc 98 gradus
81 minuta que in tabula data et inveniens
veniens 15 leonis 98 gradus et 70 minuta
quia est minus proximior numero ascensionum
quesito et gradus zodiaci in linea una
positum scribe ex et est prius gradus leonis post
hac subtrahe 17 hinc in tabula dicta
a summa ascensionum quam habes ex tabula
et remanebit differentia ista 11 minuta quam
differentiam multiplica per 60 et proveniet tantum
3 8 2 0 secunda quod divide per differentiam linee
in qua intrata est et linee sequentis scilicet
istam 99 15 vij differentia inter lineas
est ista 22 minuta que reducta ad
secunda facit tamen 82 minuta prima ista secundo gradum
divide numerum primum scilicet 3 8 2 0 et in
numero quotiente veniunt minuta scilicet tot
81 que adde tamen gradibus zodiaci prius ex
scriptis habebo ergo pro gradu ascendente
15 gradus 81 minuta leonis

Quintum quod est notandum debet ante ventum
ad tabulam duplicatis aspectibus est ut sciamus
an questio sit diurna vel nocturna et de
isto primus datum est unus modus est tamen alius
modus est subtilis et bonus quia dicere media
ascendentem et oppositum ab illo usque ad
ascendens et si in medio ceciderit gradus solis
seu gradus questionis tunc questio est diurna
Si vero non ceciderit tunc est nocturna exemplum
inquadrato ascendens est primus gradus 81
minuta leonis nadir vero eius est primus
gradus et 81 minuta aquarij ergo gradus
autem questionis sunt gradus loci solis tempore
vere hore quesite est ille scilicet gradus
qui si non constat quod gradus questionis mediat
inter ista duo loca scilicet opposita ascendens a nadir

ascendentis usque ad ascendens quia sol est
in partibus ergo quanto est diurna
Sextum problema est utrum locus
lune distat ab ascendente pluribus gradibus
quam 90 vel paucioribus et hoc est
facile per tabulas cum computaveris gradus
quantos qui est gradus lune secundum longitudinem
et computa gradus celi consequenter et si
computatio pertinget ad ascendens apparebit
quesitum. Et accidit [illegible] quod in proposito dis-
tat pluribus gradibus quam 90 ut patet com-
putanti quia distat fere 129 gradibus
Septimum est utrum quanta sit distantia
a meridie vespere eclipsis tam ut post
et respondeo quod si tunc vespere eclipsis
sit tam pauca ut non attingat dimidiam
partem diei acceptam in horis tunc ipse
hoc vespere eclipsis erit hec distantia
et hoc post meridiem. Si vero hoc tempus
ut vespere eclipsis erit tam multe ut
excedat dimidiam partem diei et totam
noctem tunc ipse demantur de 24 horis
et residuum est hec distantia et hec ante
meridiem. In distantia vespere eclipsis
in proposito [illegible] ante meridiem et hec post
meridiem est due hore 10 minuta 29 secunda quia hoc
vespere eclipsis erit tam pauca ut non ex-
cedat dimidiam partem diei acceptam
in horis. Solutio accedendo ad tabulam eclipsis
[illegible] noviter quia tabule eclipsis [illegible]
supponunt vespere eclipsis distare a
meridie per horas equales integras supponunt
etiam lunam esse in initio signi
supponunt etiam solem esse in auge sui ecentri
Supponunt etiam lunam esse in auge sui epi-
cicli et quod equatio [illegible] hoc si fuerit
[illegible] horas integras et [illegible]
equationes [illegible] signi si luna pertingit [illegible]
[illegible] in quo est [illegible] equatio
distantie lune sui centri et illa equatio
[illegible] centro [illegible] equatio per distantiam
ab auge epicicli et hec equatio [illegible]
[illegible] argumento [illegible]
[illegible] in canonibus [illegible]
[illegible] in quibus laboravimus [illegible]
[illegible] in novo [illegible]
Summa [illegible] distantia vespere eclipsis
a meridie et [illegible] horis [illegible]
intra tabulam eclipsis [illegible] et [illegible]
[illegible] ut [illegible] in canone [illegible]
et non errabis si [illegible] fuerit

II

